MANITOBA

ANNUAL REPORT

1982-83

The Department of
Highways and
Transportation

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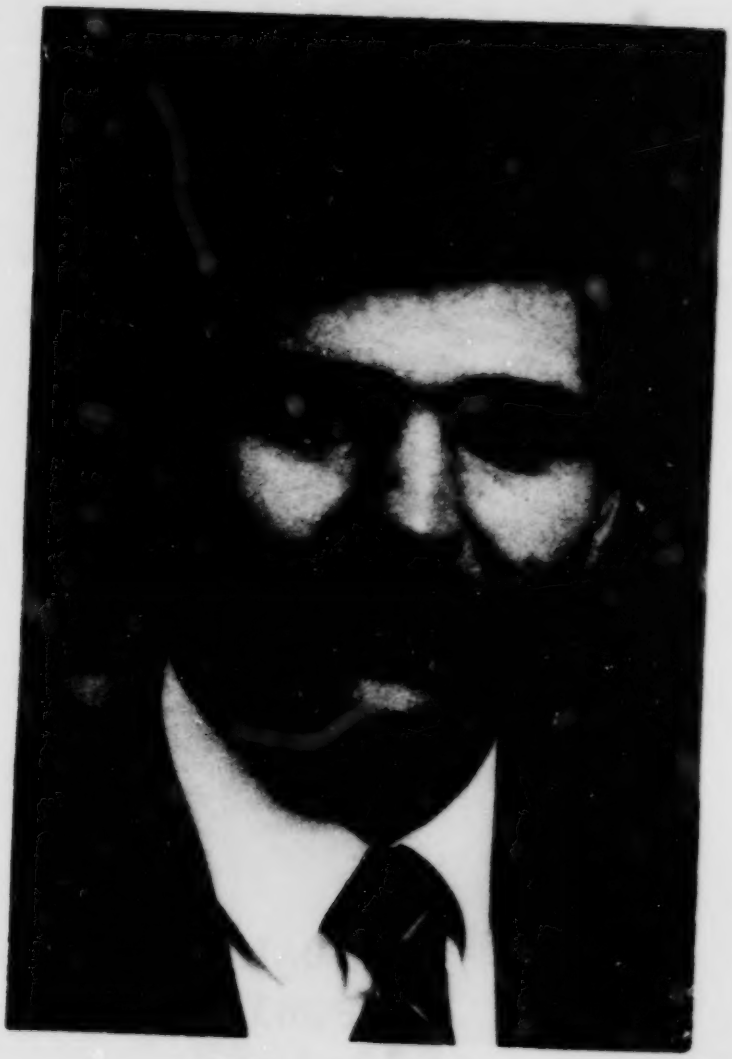
MANITOBA
HIGHWAYS
AND
TRANSPORTATION

ANNUAL REPORT 1982-1983



HON., JOHN S. PLOHMAN
Minister of Highways and Transportation

The Honourable Pearl McGonigal,
Lieutenant-Governor of Manitoba,
235 Legislative Building,
Winnipeg, Manitoba.

May it Please your Honour:

I have the privilege of presenting for the information of Your Honour the Annual Report of the Department of Highways and Transportation for the fiscal year ending March 31, 1983.

Respectfully submitted,

John S. Plohman,
Minister.

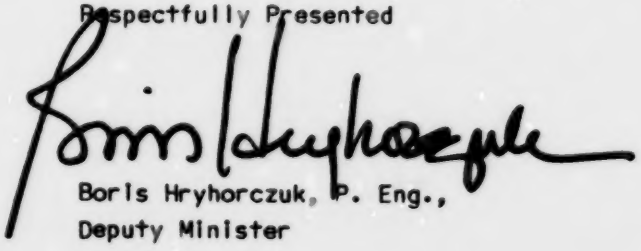
TO THE HONOURABLE MINISTER OF HIGHWAYS AND TRANSPORTATION

I am pleased to present this Annual Report which outlines the Department's accomplishments during the fiscal year which ended March 31, 1983. The extent and variety of the information illustrates the broad range of activities involved in building, maintaining and operating the Province's transportation facilities.

Major highway construction projects such as the traffic interchange at the Trans Canada Highway intersection with P.T.H. No. 12 and the beginning of the four lane construction on P.T.H. No. 75 are usually cited as highlights of the work of the Department. However, of equal importance is the day to day job of maintaining the highway infrastructure and ensuring that safety improvements are undertaken where required. Protecting the Province's investment in its transportation systems through adequate maintenance ensures that the original expenditures on these facilities are protected through the anticipated life of these works. Keeping the proper balance between the maintenance of the existing facilities and the investment in new or expanded facilities is a major challenge, particularly during times of economic restraint.

This document which provides details of the Department's activities during the fiscal year 1982 - 1983 fulfills the reporting requirements laid down in the Highways and Transportation Act.

Respectfully Presented



Boris Hryhorczuk, P. Eng.,
Deputy Minister

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NOTE - TABLE NUMBERS REVISED THIS YEAR

ABBREVIATIONS

A.C.	-	asphalt cement
Bdry.	-	boundary
CP Railway	-	Canadian Pacific Railway
C.F.	-	cable ferry
CMP	-	corrugated metal pipe
CT	-	commerical truck
CR.	-	credit
CWT	-	hundredweight
Dist.	-	district
E.	-	east
E.D.	-	Electorial Division
HPS	-	high pressure sodium
H.F. (SSB)	-	high frequency (single side band)
Jct.	-	junction
Lbs.	-	pounds
L.F.	-	linear foot
L.G.D.	-	Local Government District
M.fbm	-	thousand foot board measurement
M.V.	-	motor vessel
N.	-	north
N.E. 1/4	-	northeast quarter section
No.	-	number
Prov.	-	province or provincial
P.R.	-	Provincial Road
P.T.H.	-	Provincial Trunk Highway
P.S.V.	-	public service vehicle
Rec.	-	recreational
R.L.	-	river lot
R.T.A.C.	-	Roads and Transportation Association of Canada
R.C.M.P.	-	Royal Canadian Mounted Police
R.M.	-	Rural Municipality
Sec. 34-24-12W.	-	Section, Township, Range, West
S.	-	south
S.P.C.M.P.	-	structural plate corrugated metal pipe
sq.ft.	-	square feet
T.C.H.	-	Trans Canada Highway
T.T.	-	treated timber
U.V.D.	-	Unincorporated Village District
U.S.	-	United States of America
V.H.F. (F.M)	-	very high frequency (frequency modulation)
V.H.F. (A.M)	-	very high frequency (amplitude modulation)
W.	-	west

Table No. A1

SUMMARY OF GROSS EXPENDITURES

Administration and Subsidiary	$ 23,898,523.30
Aids	4,848,795.16
Construction	99,864,724.86
Maintenance	46,616,524.56
Mechanical Division	141,006.36
Warehouse Stores	445,923.09
Motor Vehicle Branch	12,648,119.33
Miscellaneous	8,391,043.80
Air and Radio Services	3,367,082.65
Winter Truck Roads	2,050,237.82
	$ 202,271,980.93

Table No. A2

ADMINISTRATION AND SUBSIDIARY EXPENDITURES

APPROPRIATION	DIVISION	AMOUNT
15-1A & B	Administration	$ 1,789,887.63
15-1C	Computer Services	656,641.42
15-1D	Transportation Division	823,586.52
15-2A	Operations & Contracts	1,189,574.37
15-2B	Laboratory	1,247,880.89
15-2C	Surveys & Titles	786,127.19
15-2D	Bridge Office	1,294,442.42
15-2E	Traffic Section	393,597.36
15-2F	District Offices	7,758,651.95
15-2G	Traffic Inspection	1,710,136.96
15-3A & B	Planning & Design	1,687,802.19
15-4D-1	Airports Operation & Maintenance	1,897,350.28
15-4E	Marine Services	734,648.14
15-7	Transportation Services	1,927,995.98
		$23,898,523.30

Table No. A3

AIDES TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGES AND WORK IN UNORGANIZED TERRITORY APPROPRIATION 15-8A, 15-5A & 15-5C

PURPOSE	AMOUNT
Aides to Cities, Towns, Villages and Unincorporated Villages	$1,122,473.66
Grant equal to 50% of the cost of approved street construction projects.	
Work in Unorganized Territory and Disorganized Municipalities	3,672,048.62
Activity provides for construction and maintenance in Unorganized Territory on 50/50% or 100% basis depending on category of road.	
Grant-Innovative Urban Transportation	54,272.88
Grant for the Transportation of the Handicapped	
	$4,848,795.16

Table No. A4

CONSTRUCTION

APPROPRIATION	PURPOSE	AMOUNT
15-6	Provincial Trunk Highways	$21,895,210.15
	Provincial Roads	34,016,918.84
	Northern Roads	18,131,600.49
	Highway Strengthening	25,820,995.38
		$99,864,724.86

Table No. A5

MAINTENANCE

APPROPRIATION	PURPOSE	AMOUNT
15-4A	General Maintenance on Provincial Trunk Highways	$14,857,391.00
	General Maintenance on Provincial Roads	20,910,295.30
	Miscellaneous Expenditures	
	Overheads	5,373,064.76
	Vacation & Sick Leave	2,081,549.92
	Traffic Control	3,239,374.11
	Maintenance Management	195,238.69
	Ferries	25,000.00
	Personnel Safety	34,485.88
	Maintenance Materials Holding Account	(60,824.04)
	Administrative Overheads	(39,051.06)
		$46,616,524.56

Table No. A6

MECHANICAL DIVISION
APPROPRIATION 15-4B

Other Expenditures	$17,460,707.17	
Equipment & Tools	62,158.25	
Building & Storage Yards	106,987.12	
Sub Total		$17,629,852.54
Less Machine Rentals		17,488,846.18
	TOTAL	$ 141,006.36

WAREHOUSE STORES
APPROPRIATION 15-4C

Other Expenditures	$ 483,508.96	
Purchases	4,584,172.16	
Sub Total		$5,067,681.12
Less Recoveries		4,621,758.03
	TOTAL	$ 445,923.09

Table No. A8

MOTOR VEHICLE BRANCH
APPROPRIATION 15-9

APPROPRIATION	PURPOSE	AMOUNT
15-9A	Management Services	$ 4,981,886.83
15-9B	Driver Licencing and Vehicle Registration	2,458,061.70
15-9C	Safety	4,376,532.76
15-9D	Highway Traffic Board Highway Transport Board, Taxicab Board and Licence Suspension Appeal Board	831,638.04
		$12,648,119.33

MISCELLANEOUS EXPENDITURES

APPROPRIATION	PURPOSE	AMOUNT
15-5B	Maintenance & Construction	$2,727,679.70
15-8C-2	Gravel Exploration	124,140.04
15-8C-3	Mechanical Division Equipment	638,155.95
15-8C-4	Water Bomber Contract	3,379,947.00
15-8C-5	Equipment Storage Buildings	547,928.60
15-8C-6	Improvements to Weigh Scales	73,398.23
15-8C-7	Ferry Landing Improvements	38,024.39
15-8C-8	Aircraft Purchases	270,000.00
15-8C-9	St. Malo Property	62,000.00
15-8C-10	San Clara Property	21,000.00
15-8C-11	Carman Property	88,193.00
15-8F	Purchase Crushed Gravel	462,547.09
15-8G	Bridge Timbers	194,270.61CR.
15-8H	Land	152,300.41
		$8,391,043.80

Table No. A10

AIR AND RADIO SERVICES, AIRPORT OPERATIONS AND MAINTENANCE, MARINE SERVICES

APPROPRIATION	PURPOSE	AMOUNT
15-4D-2	Other Expenditure	$1,033,588.21
15-8C-1A & B	Minor Improvements to Airports	533,188.26
15-8D-1A & B	Improvements to Airports (Recoverable from Northern Affairs)	830,898.05
15-8D-1C	Improvements to Airports	35,242.04
15-8D-2	Resource Roads (Recoverable from Northern Affairs)	736,628.37
15-8D-3	Community Roads (Recoverable from Northern Affairs)	197,537.72
		$3,367,082.65

Table No. A11

WINTER TRUCK ROADS, CONSTRUCTION AND MAINTENANCE

APPROPRIATION	PURPOSE	AMOUNT
15-8B-1	Winter Truck Roads	$ 636,982.28
15-8B-2	Winter Truck Roads	1,413,255.54
		$2,050,237.82

CONSTRUCTION

The tables immediately following, numbered C1 to C6 present by highway type and number and by appropriation the details of the $96,390,000 construction program. The tables deal with over 300 projects on Provincial Trunk Highways and more than 400 projects on the Provincial Road system. The projects range from preliminary survey and acquisition of right-of-way to the installation of traffic control systems on a re-constructed highway.

A summary of the construction program expressed in miles of work accomplished is given in Table No. C.1.

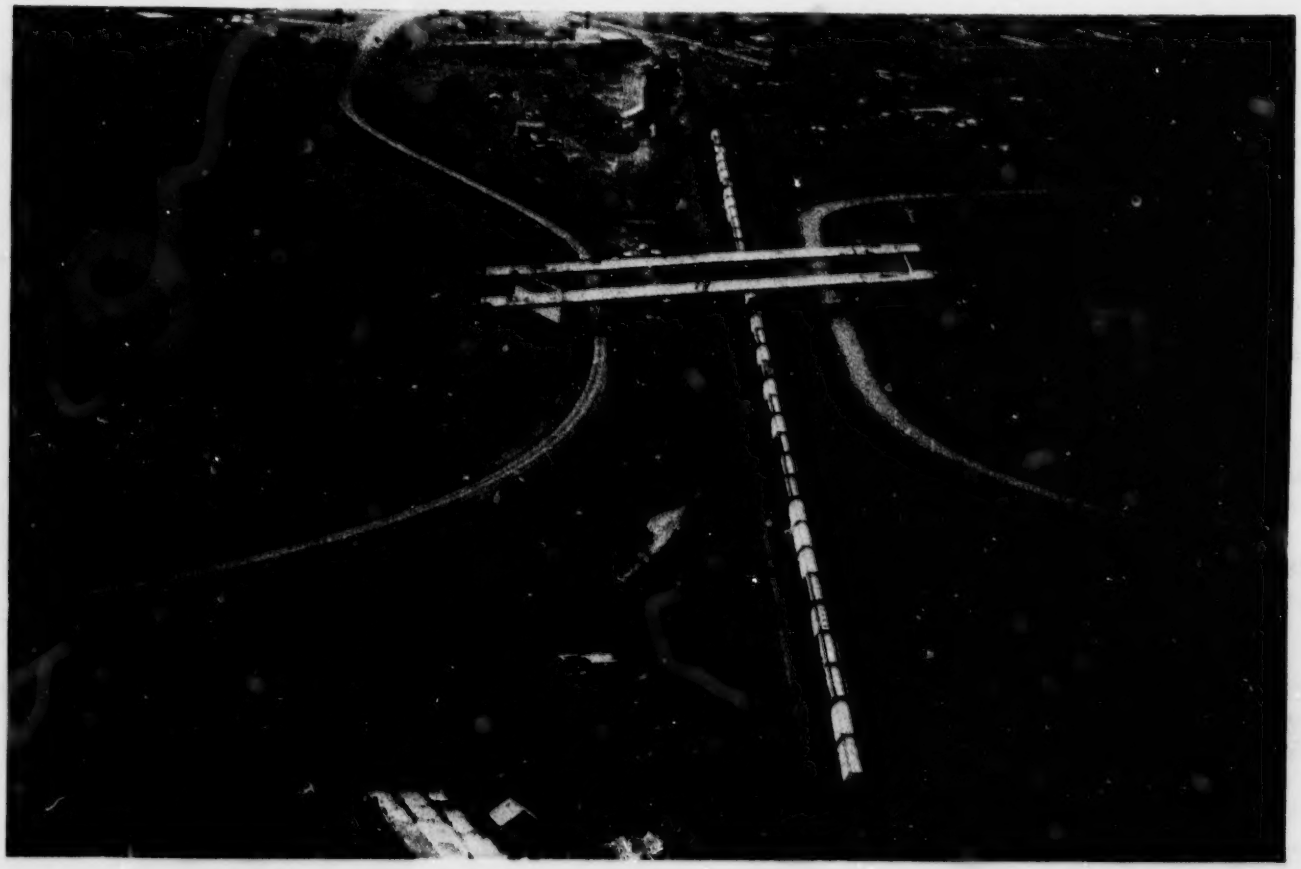
Two construction highlights for the year were firstly the work on the structure and roadways for the highway relocation and interchange at the junction of Provincial Trunk Highway Nos. 12 and 1 and secondly the commencement of four lane construction of Provincial Trunk Highway No. 75 south of Winnipeg.

The construction program was accomplished using approximately 120 different contractors to perform 185 formal contracts for major work and 142 construction orders for smaller contracts.

Table No. C1

HIGHWAY CONSTRUCTION
MILES OF WORK COMPLETED
VARIOUS APPROPRIATIONS

	Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Asphalt Surface Treatment	Seal Coat	Calcium Chloride	Concrete
Provincial Trunk Highways 15-6	37.3	30.8	50.6	27.7	18.3	55.6	6.3	4.6
Provincial Roads 15-6	157.7	155.3	65.9	31.4	52.0	3.1	152.8	
Northern Roads 15-6	49.7	35.0	81.6	72.8	19.2	27.0	225.0	-
Highway Strengthening Agreement 15-6	31.7	20.6	108.9	134.3	-	-	-	-
Provincial Highways 15-4A, Contingencies, Special Projects & Stop Gap	-	-	-	-	-	4.0	-	-
	276.4	241.7	307.0	266.2	89.5	89.7	384.1	4.6



Rail Overpass, P.T.H. No. 12 at Ste. Anne

Table No. C2

HIGHWAY CONSTRUCTION
PROVINCIAL TRUNK HIGHWAY
APPROPRIATION 15-6

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1	7259	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 100 - Plessis Road Connection, R.M. of Springfield	2.3						$ 27,217.31
	7266	Bituminous Pavement, Kemnay - Alexander, R.M. of Whitehead	10.4			1.2	1.2		494,828.08
	7267	Preliminary Engineering & Purchase of Right-of-Way, P.R. No. 250 - Town of Oak Lake, R.M. of Whitehead & Sifton	13.5						342,797.17
	7272	Purchase of Right-of-Way, E. Jct. P.R. No. 340 - E. Jct. P.T.H. No. 10, R.M. of Cornwallis & Elton	12.4						16,373.73
	7273	Base Course & Bituminous Pavement, C.P.R. Railway Track - West Interchange, City of Portage la Prairie & R.M. of Portage la Prairie	2.0			2.0	2.0		1,712,897.68

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1	7332	Drainage, North of Sec. 35-11-10W. R.M. of North Norfolk							$ 6,217.26
	7344	Preliminary Engineering, P.T.H. No. 21 - P.R. No. 259 (Virden), R.M. of Sifton & Wallace	17.4						18,151.28
1 & 34	7319	Illumination, R.M. of North Norfolk							6,615.00
1A	7250	Purchase of Right-of-Way, C.P.R. Tracks - W. Interchange, City of Portage la Prairie & R.M. of Portage la Prairie	1.6						58,943.24
	7251	Grading & Gravelling, C.P.R. Railway Track - West Interchange, City of Portage la Prairie & R.M. of Portage la Prairie	1.6						18,535.65
	7308	Preliminary Engineering, Saskatchewan Avenue, R.M. of Portage la Prairie	0.6						24,884.96

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1A	7323	Installation of Traffic Control Signals, P.T.H. No. 1A & 24th Steet, R.M. of Portage la Prairie							$ 66,723.69
	7349	Install Traffic Control Signals, P.T.H. No. 10A at 9th Avenue, R.M. of Swan River							36,898.83
2	7347	Detour & Bridge Approaches, N. of NE 1/4 Sec. 21-8-5W., R.M. of Grey							18,858.58
	7359	Bituminous Recap & Shoulder Gravel, St. Claude - Elm Creek, R.M. of Grey	15.8						199.66
3	7240	Preliminary Engineering, N. Jct. P.T.H. No. 18 - P.T.H. No. 10, R.M. of Turtle Mountain & Morton	18.4						11,527.88
3 & 18	7328	Base Course & Asphalt Surface Treatment, U.S. Border - Killarney, R.M. of Turtle Mountain	13.5			12.0	12.0 (Asphalt Surface Treatment)		974,261.47

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
3A	7365	Purchase of Right-of-Way, P.R. No. 342 - South, R.M. of Louise	0.8						$ 8.00
5	7262	Base Course & Asphalt Surface Treatment, Valley River Bridge Approaches, R.M. of Grandview	1.5						9,098.76
	7265	Bridge Approaches, Valley River Bridge, R.M. of Grandview	1.5						28,757.39
	7274	Base Course & Bituminous Surfacing, E. of P.R. No. 274 - W. of Grandview, R.M. of Gilbert Plains & Grandview	11.4			9.2	9.2		1,507,288.98
	7295	Preliminary Engineering, Purchase of Right-of-Way & Utilities, West of Grandview - P.R. No. 584, R.M. of Grandview & Hillsburg,	12.9						16,848.62
	7301	Preliminary Engineering, Whitemore Avenue - South Limit of Town, Town of Dauphin & R.M. of Dauphin	1.1						4,221.53

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
5 & 10	7283	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Dauphin By-Pass, R.M. of Dauphin	3.7						$ 34,068.44
	7311	Preliminary Engineering, Purchase of Right-of-Way & Utilities, 1st St. NW Dauphin - N. Jct. P.T.H. No. 5 & 10, Town of Dauphin, R.M. of Dauphin & Gilbert Plains	10.8						3,434.66
6	7343	Settlement for Flooding, NE Corner Sec. 11-19-5W. R.M. of Coldwell							5,000.00
7	7247	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 101 - N. of P.T.H. No. 607, R.M. of Rosser & Rockwood	11.8						61,345.31
	7252	Preliminary Engineering & Purchase of Right-of-Way, P.R. No. 517 - P.R. No. 228 R.M. of Rockwood	9.2						162,844.80

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
7	7253	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 228 P.R. No. 229, R.M. of Rockwood	8.8						$ 8,467.64
	7260	Concrete Pavement, P.T.H. No. 101 - N. of Stoney Mountain, R.M. of Rosser & Rockwood	8.8						30,328.54
	7269	Base Course & Concrete Pavement, Grassmere Creek - N. of P.T.H. No. 67, R.M. of Rosser & Rockwood	7.7						21,162.84
	7307	Grading & Gravelling, N. of P.T.H. No. 67, R.M. of Rockwood	6.7						1,755.02
	7309	Base Course & Concrete Pavement, N. of P.T.H. No. 101 - N. of P.T.H. No. 67, R.M. of Rosser & Rockwood	5.5			4.6		4.6	4,051,345.80
	7312	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 67 - P.R. No. 517, R.M. of Rockwood	6.8						318.07

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
7	7331	Purchase of Right-of-Way, P.R. No. 229 - N. Jct. P.R. No. 231, L.G.D. of Armstrong	11.2						$ 1,048.44
8	7340	Manufacture & Install Guide Signs, P.T.H. No. 101, R.M. of St. Andrews							5,222.19
9	7234	Completion of Grading, Base Course & Concrete Pavement, Vicinity of Lower Fort Garry, R.M. of St. Andrews	2.2						1,290.04
10	7270	Preliminary Engineering, Purchase of Right-of-Way & Utilities, N. of Riding Mountain National Park - S. Jct. P.T.H. No. 5, R.M. of Dauphin	2.9						907.72
	7275	Grade Widening & Shoulder Gravel, N. Boundary Riding Mountain National Park - S. Jct. P.T.H. No. 5, R.M. of Dauphin	4.1	4.1	4.1				459,662.03

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
10	7277	Preliminary Engineering, P.T.H. No. 2 - P.R. No. 344, R.M. of Cornwallis, Oakland & City of Brandon	13.7						$ 4,108.45
	7293	Sealcoating, S. Jct. P.T.H. No. 10 - N. District Boundary, R.M. of Ethelbert	14.4				14.4 (Seal Coat)		103,104.63
	7298	Base Course & Bituminous Pavement, P.R. No. 357 - S. Boundary Riding Mountain National Park, R.M. of Clanwilliam, Harrison, L.G.D. of Park & Village of Erickson	12.8			11.5	11.5		2,070,444.13
	7310	Install Pedestrian Corridor, Main Street & 2nd Avenue, City of Flin Flon							3,083.51
	7321	Sealcoating, S. District Boundary - P.R. No. 271, L.G.D. of Mountain	5.5				5.5 (Seal Coat)		30,011.46

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
10A	7294	Sealcoating, S. Jct. P.T.H. No. 10 - N. Jct. P.T.H. No. 10, R.M. of Ethelbert	2.2				2.2 (Seal Coat)		$ 11,152.95
11	7235	Purchase of Right-of-Way & Utilities, P.R. No. 506 - P.T.H. No. 44, R.M. of Whitemouth	9.8						697.52
	7237	Purchase of Right-of-Way & Utilities, P.R. No. 313 - McArthur Falls, R.M. of Lac du Bonnet	8.7						1,258.49
	7239	Bridge Approaches, SW 1/4 Sec. 32-10-12E. R.M. of Whitemouth	0.3						87,551.57
	7258	Purchase of Right-of-Way, N. of P.T.H. No. 44 - P.R. No. 313, L.G.D. of Pinawa	16.3						12,154.46
	7337	Grade Widening & Surfacing, P.R. No. 214 - P.R. No. 313, R.M. of Lac du Bonnet	5.4	2.6		2.6	2.6		1,020,419.40

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
12	7236	Purchase of Right-of-Way & Utilities, P.R. No. 317 - P.R. No. 304, R.M. of Brokenhead & St. Clements	10.9						$ 2,039.76
	7367	Bituminous Surfacing & Base Course, North of Steinbach, R.M. of Hanover, Ste. Anne & Town of Steinbach	8.8						40,014.63
14	7346	Illumination, P.T.H. No. 30, R.M. of Rhineland							6,093.00
	7358	Base Course & Bituminous Pavement, P.T.H. No. 30 - E. of P.T.H. No. 32, R.M. of Stanley & Rhineland	16.8						38,285.36
16	7268	Preliminary Engineering, W. Jct. P.T.H. No. 5 - S. Jct. P.T.H. No. 10, R.M. of Langford, Odanah & Town of Neepawa	17.5						39,638.27
	7320	Sealcoating, P.T.H. No. 50 - E. of P.T.H. No. 34, R.M. of Westbourne	12.7				12.7 (Seal Coat)		107,858.61

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
16A	7304	Sealcoating, 3rd Avenue & 2nd Street SW - 6th Avenue North, Town of Minnedosa	0.8				0.8 (Seal Coat)		$ 27,081.79
19	7333	Calcium Chloride Treatment, P.T.H. No. 5 - West, R.M. of McCreary	3.0				3.0 (Calcium Chloride Treatment)		7,810.72
20	7297	Base Course & Asphalt Surface Treatment, West of P.R. No. 272 - P.T.H. No. 10, L.G.D. of Mountain	7.6			6.0	6.0 (Asphalt Surface Treatment)		575,319.37
	7302	Preliminary Engineering, Ochre River - Dauphin Beach, R.M. of Ochre River	7.0						21,629.63
	7326	Additional Structure, N. of P.R. No. 271 - E. of NE 1/4 Sec. 19-33-19W., L.G.D. of Mountain							12,683.08
21	7249	Preliminary Engineering, Hall's Bridge at Assiniboine River, R.M. of Whitehead	0.8						6,343.21

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
21	7330	Base Course & Asphalt Surface Treatment, C.N. Railway Crossing - P.T.H. No. 45, Village of Oakburn & R.M. of Shoal Lake	0.3			0.3	0.3 (Asphalt Surface Treatment)		$ 35,786.66
23	7300	Preliminary Engineering & Purchase of Right-of-Way, Deerwood - P.R. No. 431, R.M. of Thompson & Lorne	9.0						13,633.15
	7327	Sealcoating, P.T.H. No. 3 - Deerwood, R.M. of Thompson & Roland	20.0				20.0 (Seal Coat)		214,904.43
	7352	Detour & Bridge Approaches, NE of NE 1/4 Sec. 32-4-1E., R.M. of Morris							93,652.27
	7353	Preliminary Engineering, P.R. No. 431 - P.T.H. No. 34, R.M. of Lorne	11.9						40,139.47
	7356	Detour & Bridge Approaches, St. Malo Canal, R.M. of DeSalaberry							5,747.17

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
23	7360	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 18 - East, R.M. of Strathcona	1.5						$ 1,612.23
30	7263	Base Course & Bituminous Pavement, U.S. Boundary - Altona, R.M. of Rhineland	7.0			1.2	1.2		47,379.99
	7366	Detour & Bridge Approaches, Buffalo Drain, R.M. of Rhineland							21,135.59
41	7276	Purchase of Right-of-Way, P.R. No. 545 - Assiniboine River, R.M. of Ellice	2.7						49,078.92
	7317	Calcium Chloride Treatment, P.R. No. 545 - Assiniboine River, R.M. of Ellice	2.3				2.3 (Calcium Chloride Treatment)		5,263.22
44	7233	Preliminary Engineering, West Hawk Lake - P.R. No. 307, Whiteshell Provincial Park	19.4						47,695.39

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
50	7254	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 16 - Langruth, R.M. of Westbourne & Lakeview	15.8						$136,269.98
	7255	Preliminary Engineering, P.R. No. 265 - North Boundary of Lakeview, R.M. of Lakeview	8.4						11,362.05
	7285	Shoulder Widening & Gravelling, South Bdry. of L.G.D. of Alonsa - P.R. No. 278, L.G.D. of Alonsa	22.7						3,276.47
	7334	Calcium Chloride Treatment, U.V.D. of Amaranth, L.G.D. of Alonsa	1.0				1.0 (Calcium Chloride Treatment)		2,603.57
52	7318	Preliminary Engineering, Mitchell - P.T.H. No. 59, R.M. of Hanover	8.2						29,634.39
59	7286	Illumination Modifications, Birds Hill Park Access, R.M. of Springfield							6,990.00

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
59	7336	Installation of Illumination, P.T.H. No. 59 & Garven Road, R.M. of St. Clements							$ 8,252.00
	7345	Concrete Pavement for Additional Lane, P.R. No. 405 & P.R. No. 612, R.M. of Ritchot							211,862.94
59 & 100	7335	Manufacture & Install Guide Signs, City of Winnipeg							71,003.89
67	7261	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 7 - S. Jct. P.R. No. 236, R.M. of Rockwood & Town of Stonewall	4.0						31,081.74
75	7242	Preliminary Engineering, Ste. Agathe - P.R. No. 429, R.M. of Ritchot	8.0						80,263.88
	7246	Preliminary Engineering, Purchase of Right-of-Way & Utilities, S. Bdry. Winnipeg - P.R. No. 429, R.M. of Ritchot	4.8						452,164.28

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
75	7324	Grading & Drainage, S. Bdry. City of Winnipeg - P.R. No. 429, R.M. of Ritchot	4.6	3.9					$1,338,183.16
	7348	Illumination, P.T.H. No. 29, R.M. of Montcalm							12,072.00
83	7279	Purchase of Right-of-Way & Utilities, P.T.H. No. 1 Southerly, R.M. of Wallace & Pipestone	23.3						18,312.92
	7303	Grading & Gravelling, S. District Boundary - C.N. Tracks, R.M. of Pipestone	13.5	13.5	13.5				715,599.68
	7305	Intersection Improvements, Jct. of Main Street, Town of Swan River							10,193.12
	7316	Grade Widening & Shoulder Gravel, S. of Kenville - 2nd Street South, R.M. of Swan River	11.6	7.0	7.0				810,776.89

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
83 & 49	7243	Grade Widening & Shoulder Gravel, Saskatchewan Bdry. - South of Kenville, R.M. of Swan River	13.5	6.2	6.2				$506,258.17
	7244	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 49 - Swan River, R.M. of Swan River	26.0						42,157.31
100	7322	Grading, Gravelling & Asphalt Surface Treatment, SW Quadrant Roblin Blvd. Interchange, City of Winnipeg	0.9						45,209.23
	7355	Preliminary Engineering, St. Mary's Road - Saskatchewan Avenue, City of Winnipeg & R.M. of MacDonald	18.5						7,281.04
100 & 75	7338	Illumination Improvements, City of Winnipeg,							150,018.00
101	7245	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 7 Interchange, R.M. of Rosser							695.36

Table No. C2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Miscellaneous									
	7200	Purchase of Right-of-Way, Various Highways							$ 46,184.19
	7201	Engineering Expenses - District 1							38,912.74
	7202	Engineering Expenses - District 2							11,507.25
	7203	Engineering Expenses - District 3							12,631.33
	7204	Engineering Expenses - District 4							6,587.81
	7205	Engineering Expenses - District 5							6,087.71
	7206	Engineering Expenses - District 6							13,761.43
	7207	Engineering Expenses - District 7							9,266.17
	7208	Engineering Expenses - District 8							24,955.14
	7209	Engineering Expenses - District 9							11,585.40
	7210	Engineering Expenses - District 10							6,482.07
	7211	Engineering Expenses - District 11							893.85
	7212	Engineering Expenses - District 12							22,602.53
	7213	Engineering Expenses - Materials Division							74,479.76
	7217	Miscellaneous Expenses for Purchase of Right-of-Way Various Highway							708,624.24
	7218	Engineering Audit Survey, Various Highways							50,987.45
	7220	Advertising Highway Projects							30,388.86
	7221	Surplus Culverts - District 1							2,763.46CR.
	7222	Surplus Culverts - District 2							2,152.20CR.
	7223	Surplus Culverts - District 3							1,597.49CR.
	7225	Surplus Culverts - District 5							4,854.65CR.
	7226	Surplus Culverts - District 6							11,803.74
	7227	Surplus Culverts - District 7							304.84
	7228	Surplus Culverts - District 8							4,442.39CR.
	7229	Surplus Culverts - District 9							5,844.21CR.

Table No. C2

Highway No.	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Miscellaneous									
	7231	Surplus Culverts - District 11							$ 1,229.34CR.
	7232	Surplus Culverts - District 12							706.16CR
	7271	Hazard Removal - Various Locations							151,413.95
	7287	Delineation - Various Locations							17,732.46
	7288	Purchase of Sequential Flasher - Various Locations							8,683.50
	7289	Install Stop Sign & Median Flashers - Various Locations							488.36
	7290	Illumination Modifications - Various Locations							5,537.00
	7291	Illumination - Various Locations							10,301.00
	7292	Installation of Rumble Strips - Various Locations							3,377.15
	7296	Automatic Railroad Grade Crossing Protection - Various Locations							22,288.52
	7306	Corridor Study, Various Locations, Selkirk Area							14,378.49
	7315	Training Expenses - Construction Personnel - Various Locations							37,271.94
	7341	Traffic Study - Brandon Area - Various Locations							101,951.84
	7342	Design & Repairs of Overhead Sign Structures - Various Locations							46,617.36
	7368	Surface Drainage Study, Southeast Area of Town of Dauphin							4,162.50
	7369	Computer Service - Roadway Design							18,450.00
		Bridge Projects (for details see Table No. B1)							631,408.62
				37.3	30.8	50.6	*107.9	4.6	$21,895,210.15

*Bituminous Surfacing	27.7
Calcium Chloride	6.3
Asphalt Surface Treatment	18.3
Seal Coat	55.6
	107.9

Table No. C3

HIGHWAY CONSTRUCTION
PROVINCIAL ROADS
APPROPRIATION 15-6

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
200	5803	Base Course & Asphalt Surface Treatment, P.R. No. 201 - Emerson, R.M. of Franklin & Town of Emerson	10.4			8.9	8.9 (Asphalt Surface Treatment)		$918,875.39
	6008	Purchase of Right-of-Way, P.R. No. 305 - St. Adolphe, R.M. of Ritchot							5,320.70
200 & 246	5645	Preliminary Engineering, Purchase of Right-of-Way & Utilities, R.M. of Morris & Ritchot	8.2						49,556.02
200, 305 & 311	6016	Base Course & Asphalt Surface Treatment, Ste. Agathe - St. Adolphe Area, R.M. of Ritchot	12.9						10,820.55

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
201	5691	Detour & Bridge Approaches, P.R. No. 336 - Gnadenthal, R.M. of Rhineland							$ 4,148.56
	5702	Preliminary Engineering, P.R. No. 242 - P.T.H. No. 31, R.M. of Pembina	16.0						36,072.20
	5717	Grading & Gravelling, P.R. No. 336 - Gnadenthal, R.M. of Rhineland	6.1						15,989.73
	5915	2nd Lift Construction Gravel, P.R. No. 336 - Gnadenthal, R.M. of Rhineland	6.0						20,869.04
	5965	Grading & Gravelling, P.T.H. No. 75 - P.T.H. No. 30, R.M. of Montcalm & Rhineland	11.0						19,350.00
204 & 320	5769	Bituminous Pavement, Vicinity of Selkirk, Town of Selkirk	0.5				0.5		107,329.38
205	6001	Preliminary Engineering, Purchase of Right-of-Way & Utilities, W. of P.T.H. No. 59 - P.R. No. 246, R.M. of Morris & De Salaberry	10.2						78,604.71

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
206	5619	Grading & Gravelling, P.T.H. No. 1 - P.T.H. No. 5, R.M. of Springfield & Tache	7.2						$126,812.97
	5624	Grade Widening & Bituminous Pavement, P.T.H. No. 15 - P.T.H. No. 5, R.M. of Springfield	6.0						3,200.89
	5775	Gravelling & Calcium Chloride Treatment, P.T.H. No. 1 - P.T.H. No. 15, R.M. of Springfield & Tache	7.2		4.8		4.8 (Calcium Chloride Treatment)		17,4..5.10
	6009	Base Course & Asphalt Surface Treatment, T.C.H. - P.T.H. No. 15, R.M. of Tache & Springfield	7.2						5.76
209	5634	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 201 - Gardenton, L.G.D. of Stuartburn	6.1						27,119.06
	5636	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 59 - P.R. No. 218, R.M. of Franklin	8.0						5,752.68

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
209	5639	Preliminary Engineering, Ridgeville - P.R. No. 200, R.M. of Franklin	8.0						$ 11,683.68
	5681	Preliminary Engineering, South of Gardenton - P.T.H. No. 59, R.M. of Franklin & L.G.D. of Stuartburn	4.5						26,863.56
	5955	Grading & Gravelling, P.R. No. 201 - P.T.H. No. 59, R.M. of Franklin & L.G.D. of Stuartburn	10.2	6.5	6.5				827,350.72
210	5632	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 12 - P.R. No. 206, R.M. of Ste. Anne & Tache	7.5						87,190.01
	5637	Grading & Gravelling, P.R. No. 206 - P.T.H. No. 59, R.M. of Tache & Ritchot	8.0						37,606.06
	5640	Grading & Gravelling, Giroux - Seine River, R.M. of Ste. Anne	6.0						17,275.97

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
210	5874	Gravelling & Calcium Chloride Treatment, P.R. No. 311 - P.R. No. 207, R.M. of Ste. Anne	6.9		6.9		6.9 (Calcium Chloride Treatment)		$ 52,454.48
	5875	Gravelling & Calcium Chloride Treatment, P.R. No. 206 - P.T.H. No. 59, R.M. of Tache & Ritchot	8.0		8.0		8.0 (Calcium Chloride Treatment)		69,132.88
	5950	Relocate CNR Signals, Village of Woodridge, L.G.D. of Piney							8,522.33
	6018	Base Course & Asphalt Surface Treatment, Giroux - P.R. No. 207, R.M. of Ste. Anne	6.8						69.45
211	5776	Preliminary Engineering, P.T.H. No. 11 - Pinawa, R.M. of Lac du Bonnet & L.G.D. of Pinawa	8.7						18,362.05
	5991	Rock Embankment, Winnipeg River Bridge Approaches, L.G.D. of Pinawa & R.M. of Lac du Bonnet							125,417.70

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
212	5623	Purchase of Right-of-Way & Utilities, P.T.H. No. 44 - P.T.H. No. 59, R.M. of St. Clements	5.2						$ 11,947.36
212 & 213	5621	Purchase of Right-of-Way & Utilities, P.R. No. 206 - Cook's Creek, R.M. of Springfield	5.0						224,919.96
213	5777	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 212 - P.T.H. No. 12, R.M. of Springfield	6.1						20,318.69
217	5969	Purchase of Right-of-Way, P.R. No. 246 - P.R. No. 200, R.M. of De Salaberry, Franklin & Montcalm	7.1						70,598.00
217 & 200	5642	Grading & Gravelling, Arnaud - P.T.H. No. 23, R.M. of Franklin & De Salaberry	9.7	7.1	7.1				472,699.60

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
221	5684	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 412 - P.R. No. 248, R.M. of Rosser	6.4						$ 1,720.44
222	5962	Grading, Arnes - Hnausa, R.M. of Gimli & Bifrost	7.0	7.0					617,144.04
	5963	Stockpiling Traffic Gravel, Arnes - Hnausa, R.M. of Bifrost & Gimli	7.0						124,647.93
223	5804	Base Course & Bituminous Pavement, P.T.H. No. 7 - East Boundary, R.M. of Rockwood	6.1			6.1	6.1		808,257.89
	5940	Bituminous Surfacing, P.R. No. 230 - P.T.H. No. 9, R.M. of St. Andrews	1.4				1.4		212,902.03
224	6006	Bridge Detour & Asphalt Decking, Snake Creek, Sec. 2-28-1W, Unorganized Territory							11,686.30

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
225, 232 & 601	5628	Bituminous Pavement, Winnipeg Beach Resort Area, R.M. of St. Andrews, Town of Winnipeg Beach & Village of Dunnottar	11.3						$ 16,754.15
226	5779	Gravelling, P.T.H. No. 68 - P.R. No. 329, R.M. of Bifrost	6.1	1.2					12,072.42
227	5912	Calcium Chloride Treatment, P.R. No. 248 - P.R. No. 430, R.M. of Woodlands	8.0				8.0 (Calcium Chloride Treatment)		36,312.15
227 & 248	5918	Base Course & Asphalt Surface Treatment, P.T.H. No. 26 - P.R. No. 227, P.R. No. 248 Easterly, R.M. of St. Francois Xavier, Rosser & Woodlands	15.2						468,140.80
228	5687	Bridge Detour & Approaches, E. of S.E. 25-23-2W., L.G.D. of Fisher							14,013.58

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
228	5841	Grading, Base Course & Bituminous Pavement, Teulon Westerly, R.M. of Rockwood & Village of Teulon	1.0						$ 3,121.18
228 & 223	5993	Renumbering Routes, P.T.H. No. 7 - P.R. No. 325, P.T.H. No. 9 - P.T.H. No. 7.							4,986.65
229	5679	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 9 - P.T.H. No. 8, R.M. of St. Andrews	2.0						5,938.01
231	5855	Calcium Chloride Treatment, P.T.H. No. 7 - P.R. No. 288, L.G.D. of Armstrong	13.5				7.0 (Calcium Chloride Treatment)		7,356.34
233	5821	Preliminary Engineering, Sylvan - P.R. No. 228, L.G.D. of Fisher	10.3						7,356.56

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
233	5861	Calcium Chloride Treatment, Park Gate - Gull Harbour, Unorganized Territory & Hecla Provincial Park	15.5				15.5 (Calcium Chloride Treatment)		$ 38,761.93
	5946	Shoulder Reconstruction & Crushed Rock, P.R. No. 234 - Causeway, R.M. of Bifrost	5.9						465,697.27
234	5715	Grade Widening & Shoulder Gravel, P.T.H. No. 8 - South Junction P.R. No. 233, R.M. of Bifrost	6.8						44,527.03
	5724	Preliminary Engineering, Junction P.R. No. 325 - Beaver Creek, L.G.D. of Fisher & Unorganized Territory	14.5						14,857.47
	5884	Purchase of Right-of-Way, P.R. No. 233 - P.R. No. 325, L.G.D. of Fisher	11.0						540.75
235	5726	Grading, Gravelling & Bridge Approaches, Lonely Lake Drain Bridge, L.G.D. of Alonsa	1.0						31,431.68

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
235	5752	Base Course & Road Mix, Vicinity of Lonely Lake, L.G.D. of Alonsa	1.1			1.1	1.1		$255,425.50
	5818	Gravelling, East of Lake Manitoba Narrows, R.M. of Siglunes	10.3	1.1	1.1				2,769.36
	5930	Crushed Rock & Base Course, East of Lake Manitoba Narrows, R.M. Siglunes	10.8						1,182,913.92
236	5663	Grading & Gravelling, P.T.H. No. 67 - P.R. No. 517, R.M. of Rockwood	8.2						4,178.52
	5840	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 67 - P.R. No. 517, R.M. of Rockwood	7.7						20,770.12
	5910	Calcium Chloride Treatment, P.T.H. No. 67 - P.R. No. 517, R.M. of Rockwood	8.0				8.0 (Calcium Chloride Treatment)		31,805.26
	5952	2nd Lift Construction Gravel, P.T.H. No. 67 - P.R. No. 517, R.M. of Rockwood	7.7		7.7				43,084.93

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
238	5816	Calcium Chloride Treatment, South Junction P.T.H. No. 9 - Stevens Avenue, R.M. of St. Andrews							$ 18,075.91
	5998	Slope & Grade Rehabilitation, South Junction P.T.H. No. 9 - Stevens Avenue, R.M. of St. Andrews	6.0						1,396.17
239	5795	Calcium Chloride Treatment, Junction P.T.H. No. 6 - Steep Rock, L.G.D. of Grahamdale	12.5				12.5 (Calcium Chloride Treatment)		43,539.93
240	5703	Preliminary Engineering, P.T.H. No. 2 - N.E. Corner Sec. 28-9-7W., R.M. of Grey	8.0						21,617.68
	5704	Base Course & Asphalt Surface Treatment, P.R. No. 305 - St. Claude, R.M. of Grey & Dufferin	4.3			0.6	0.6		51,434.80
	5705	Grading & Gravelling, P.T.H. No. 3 - NE 1/4 Sec. 33-4-7W., R.M. of Pembina & Thompson	11.5	6.0	6.0				352,221.71

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
240	5706	Purchase of Right-of-Way & Utilities, P.T.H. No. 3 - P.T.H. No. 23, R.M. of Pembina & Thompson	13.4						$ 96,077.93
	5707	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 23 - P.R. No. 245, R.M. of Thompson & Dufferin	9.3						52,945.50
	5734	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Jct. P.R. No. 240 & P.R. No. 311 - Southerly, R.M. of Portage la Prairie & Grey	13.1						7,144.40
	5995	Preliminary Engineering, P.T.H. No. 1 - 5th St. S.E., R.M. of Portage la Prairie	0.9						7,243.36
240 & 630	5994	Bituminous Pavement, Base Course Shoulders, P.T.H. No. 2 - St. Claude, St. Claude Access, Haywood Access, R.M. of Grey	2.9						297.30

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
241	5664	Preliminary Engineering, P.T.H. No. 1 - East, City of Winnipeg & R.M. of Carter	6.1						$ 395.62
242	5708	Completion of Base Course & Asphalt Surface Treatment, NE 8-9-9W. to NE 32-9-9W., R.M. of South Norfolk	4.0						21.78
	5794	Grading & Gravelling, Somerset - E. Jct. P.R. No. 245, R.M. of Lorne	8.0						22,852.93
	5872	Detour & Bridge Approaches, Cypress River Bridge, R.M. of Lorne							4,329.13
	5970	Preliminary Engineering, Purchase of Right-of-Way & Utilities, East Junction P.T.H. No. 2 Westerly & Northerly, R.M. of South Norfolk	6.8						8,955.37
243	5709	Preliminary Engineering, P.T.H. No. 30 - P.R. No. 248, R.M. of Rhineland	9.0						11,726.21

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
245	5689	Grading & Surfacing Bridge Approaches & River Diversion, N. of NW 1/2 Sec. 24-6-5W., R.M. of Dufferin	0.5	0.5					$163,268.19
	5698	Grading, Bruxelles - Westerly, R.M. of Lorne	6.0	1.9	1.9				178,313.08
	5710	Purchase of Right-of-Way, Boyne River Bridge, R.M. of Dufferin	0.5						1,946.54
	5711	Detour & Bridge Approaches, 4th Avenue SW (Carman) - W. of 3rd St. S.W., R.M. of Dufferin							7,352.50
	5713	Purchase of Right-of-Way, W. Jct. P.R. No. 242 - NE Corner Sec. 31-6-10W., R.M. of Lorne & South Norfolk	4.9						1,849.45
	5817	Grading & Gravelling, East of P.T.H. No. 34, R.M. of Lorne & Victoria	2.0						14,229.67
246	5638	Preliminary Engineering, P.R. No. 205 - P.T.H. No. 23, R.M. of Morris	8.1						13,579.77

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
246	5854	Preliminary Engineering, P.T.H. No. 23 - P.R. No. 217, R.M. of Montcalm	6.0						$ 17,953.01
248	5665	Base Course & Asphalt Surface Treatment, Fannystelle - Elie, R.M. of Cartier & Grey	11.0						62,171.59
	5716	Preliminary Engineering, P.T.H. No. 3 - P.R. No. 305, R.M. of Dufferin	7.3						2,054.82
	5982	Preliminary Engineering, NE Corner Sec. 3-8-3W. - P.T.H. No. 2, R.M. of Grey	7.0						7,829.13
250	5729	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 1 - Northerly, R.M. of Whitehead & Daly	5.5						37,440.08
	5730	Preliminary Engineering, East Jct. P.T.H. No. 16 - P.T.H. No. 45, R.M. of Harrison	12.2						35,131.38

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
250	5760	Preliminary Engineering & Purchase of Right-of-Way, P.R. No. 349 - East Junction P.T.H. No. 1, R.M. of Whitehead	7.1						$ 26,319.36
	5859	Grading & Gravelling, P.T.H. No. 24 - E. Junction P.R. No. 355, R.M. of Blanshard & Saskatchewan	8.1						68,252.75
	5996	Base Course & Road Mixed Bituminous Pavement, P.T.H. No. 24 Northerly, R.M. of Blanshard & Saskatchewan	8.4						40,718.69
254	5728	Preliminary Engineering & Purchase of Right-of-Way, Oak Lake North, R.M. of Sifton	1.8						372.47
	5766	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 83 - P.R. No. 478, R.M. of Russell & Silver Creek	6.6						37,002.93

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
254	5768	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 476 - NE Cor. 26-21-25W., R.M. of Rossburn & Silver Creek	8.2						$ 20,353.04
	5786	Purchase of Right-of-Way & Utilities, Oak Lake Beach South, R.M. of Sifton	14.3						7,046.99
	5808	Preliminary Engineering, P.T.H. No. 1 - Oak Lake Beach, R.M. of Sifton	6.0						257.93
	5825	Preliminary Engineering, P.R. No. 476 - P.R. No. 478, R.M. of Silver Creek	7.2						758.81
	5848	Traffic Gravel, P.R. No. 577 - NE Corner Sec. 26-21-25W., R.M. of Rossburn							4,964.15
	5880	Grading, P.R. No. 347 - Grande Clairiere, R.M. of Cameron	3.0	3.0					52,224.96
255	5809	Preliminary Engineering, P.R. No. 254 - P.T.H. No. 83, R.M. of Sifton & Wallace	11.2						7,550.28

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
256	5631	Purchase of Right-of-Way, W. Jct. P.R. No. 345 - W. Jct. P.T.H. No. 2, R.M. of Albert & Pipestone	11.3						$ 48,528.16
	5781	Purchase of Right-of-Way, P.R. No. 467 - P.T.H. No. 41, R.M. of Archie	13.2						24,784.09
	5810	Preliminary Engineering, E. Jct. P.T.H. No. 2 - South of Cromer, R.M. of Pipestone	10.2						16,835.86
	5814	Relocate Railway Crossing, Broadview Subdivision - Town of Elkhorn, Town of Elkhorn	0.6						11,581.79
	5815	Bituminous Pavement, P.R. No. 257 - Cromer, R.M. of Wallace & Pipestone	7.9				7.9		582,627.84
259	5789	Asphalt Surface Treatment, P.R. No. 354 - Harding, R.M. of Woodworth & Daly	6.4				0.4 (Asphalt Surface Treatment)		43,924.18

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
260	5666	Grading & Gravelling, NE Corner Sec. 33-16-12W. - South Jct. P.R. No. 261, R.M. of Westbourne & Glenella	11.2						$137,038.64
	5739	Preliminary Engineering, S. Jct. P.R. No. 261 - Easterly, R.M. of Glenella	4.0						18,687.37
	5863	Stockpiling Traffic Gravel, NE Corner Sec. 33-16-12W. - S. Jct. P.R. No. 261, R.M. of Westbourne & Glenella	11.2						104,353.46
261	5701	Purchase of Right-of-Way & Utilities, District 6 & 8 Bdry. - East to P.T.H. No. 50, L.G.D. of Alonsa	6.1						27,274.96
	5735	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 260 - P.R. No. 462, R.M. of Glenella	6.7						7,765.83
	5805	Grading & Gravelling, P.R. No. 260 - P.R. No. 462, R.M. of Glenella	6.7	6.7	6.7				835,565.63

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
262	5826	Grading & Gravelling, UVD of Clanwilliam - P.R. No. 265, R.M. of Minto	1.6						$ 4,415.63CR.
	5850	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 10 - P.T.H. No. 16 & P.T.H. No. 16A, R.M. of Odanah	11.2						11,150.10
265	5811	Grading & Gravelling, S. Jct. P.T.H. No. 5 - Jct. P.R. No. 562, R.M. of Rosedale	8.6						85,472.86
	5838	Preliminary Engineering, Purchase of Right-of-Way & Utilities, 1 mile East of Langruth - 1 mile West, R.M. of Lakeview	2.0						1,862.70
266	5680	Preliminary Engineering, Birch River - South, L.G.D. of Mountain	1.0						5,278.48

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
267	5753	Grading & Gravelling, Vic. of S. Jct. P.R. No. 274, R.M. of Gilbert Plains	1.4	1.4	1.4				$145,673.35
	5774	Purchase of Right-of-Way & Utilities, P.T.H. No. 10 - N. Jct. P.R. No. 274, R.M. of Gilbert Plains & Ethelbert	5.5						24,582.00
	5908	Preliminary Engineering, Purchase of Right-of-Way & Utilities, E. of P.T.H. No. 10 - NE Corner of NW 1/4 Sec. 31-27-20W., R.M. of Dauphin and Gilbert Plains	1.0						433.42
	5985	Shoulder Widening & Gravelling, E. of Sec. 33-27-22W., R.M. of Gilbert Plains	1.0	1.0	1.0				23,178.20
267 & 274	5754	Purchase of Right-of-Way & Utilities, Vicinity of South Jct. P.R. No. 267 & P.R. No. 274, R.M. of Gilbert Plains	2.0						12,927.02
268	5649	Grading & Gravelling, P.T.H. No. 10 - P.R. No. 587, R.M. of Minitonas	9.0	1.5	1.5				66,253.10

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
268	5650	Preliminary Engineering, P.T.H. No. 10 - East, L.G.D. of Mountain	2.0						$ 3,057.73
	5823	Purchase of Right-of-Way & Utilities, P.T.H. No. 10 - P.R. No. 587, R.M. of Minitonas	9.1						5,121.55
	5958	Grade Widening, Bituminous Recap & Shoulder Gravel, P.T.H. No. 10 East, L.G.D. of Mountain	1.8	1.8	1.8		1.8		263,550.58
269	5906	Purchase of Right-of-Way & Utilities, P.R. No. 480 - P.R. No. 276, Unorganized Territory	6.5						8,865.25
269 & 608	5798	Sealcoating, P.T.H. No. 10A - Ethelbert & in Village of Ethelbert, R.M. of Ethelbert	1.1				1.1 (Seal Coat)		6,106.24
270	5827	Purchase of Right-of-Way & Utilities, P.R. No. 263 - P.R. No. 359, L.G.D. of Park	2.0						1,974.28

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
271	5651	Preliminary Engineering, P.T.H. No. 20 - Westerly, L.G.D. of Mountain	5.0						$ 3,401.81
	5862	Sealcoating, P.T.H. No. 10 - Railroad Tracks at Pine River, L.G.D. of Mountain	0.7				0.7 (Seal Coat)		4,502.64
	5865	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 20 - West, L.G.D. of Mountain	5.0						31,410.17
272	5682	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 20 - Village of Duck Bay, L.G.D. of Mountain	13.4						3,917.18
	5928	Calcium Chloride Treatment, P.T.H. No. 20 - Village of Duck Bay, Swan River Unorganized							15,066.01
273	5822	Purchase of Right-of-Way & Utilities, P.T.H. No. 10 - Ukraina, R.M. of Ethelbert, Mossey River & Dauphin	4.7						23,862.74

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
274	5743	Grading & Gravelling, N. Jct. P.R. No. 267 - S. of P.T.H. No. 10, R.M. of Ethelbert	12.1	12.1	12.1				$1,117,791.51
	5755	Purchase of Right-of-Way & Utilities, North Jct. P.R. No. 267 - South of P.T.H. No. 10, R.M. of Ethelbert	11.5						50,947.06
	5756	Base Course & Asphalt Surface Treatment, S. of S. Jct. P.R. No. 267, East of Sec. 28 & 33-76-22W., R.M. of Gilbert Plains	1.5			1.5	1.5 (Asphalt Surface Treatment)		99,306.35
274 & 608	5751	Base Course & Bituminous Pavement, Village of Gilbert Plains, R.M. of Gilbert Plains	1.0			1.0	1.0		116,309.13
275	5653	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 10A - East Junction P.R. No. 588, R.M. of Swan River	8.2						4,691.99

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
276	5686	Grading & Gravelling, P.R. No. 328 - South, Dauphin Unorganized	7.8	6.3	6.3				$673,777.51
	5744	Base Course & Asphalt Surface Treatment, South of Toutes Aides - Manipogo Provincial Park, R.M. of Lawrence	4.6			3.3	3.3 (Asphalt Surface Treatment)		245,212.61
	5800	Purchase of Right-of-Way & Utilities, P.R. No. 269 - P.R. No. 328, Unorganized Territory	15.6						4,965.83
	5883	Calcium Chloride Treatment, P.R. No. 269 - Manipogo Provincial Park, L.G.D. of Alonsa	9.7				9.7 (Calcium Chloride Treatment)		13,607.35
	5933	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Skownan - South, Unorganized Territory & Waterhen Indian Reserve No. 45	5.2						10,760.52
277	5655	Grade Widening & Gravelling, P.T.H. No. 10 - West, Swan River Unorganized	8.0						52,677.97

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
277	5851	Base Course & Asphalt Surface Treatment, P.T.H. No. 10 - West, Swan River Unorganized	8.0			6.1	6.1 (Asphalt Surface Treatment)		$568,423.80
278	5745	Base Course & Road Mix, NE Cor. Sec. 33-23-12W. - N. Limit Sec. 18-23-11W., L.G.D. of Alonsa	5.0			2.2	2.2		181,882.21
279 & 588	5656	Preliminary Engineering, Purchase of Right-of-Way & Utilities, N. of Sec. 31,32,33-37-28W., E. of Sec. 1 & 12-38-29W., E. of Sec. 25 & 36-37-29W., R.M. of Swan River	7.2						22,570.34
302	5622	Purchase of Right-of-Way, P.T.H. No. 15 - N. Bdry. R.M. of Springfield, R.M. of Springfield	6.0						8,454.16
	5635	Preliminary Engineering, Purchase of Right-of-Way & Utilities, LaBroquerie - North, R.M. of Ste. Anne & LaBroquerie	3.2						22,193.02

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
302	5911	Base Course & Asphalt Surface Treatment, South of Beausejour, R.M. of Brokenhead	5.1			3.1	3.1 (Asphalt Surface Treatment)		$321,721.17
303	5643	Preliminary Engineering, Purchase of Right-of-Way & Utilities, 1 mile E. of P.T.H. No. 12, R.M. of Hanover	4.0						62,022.00
305	5712	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 2 - NE Corner of Sec. 14-9-8W., R.M. of South Norfolk	7.1						11,865.50
	5987	Purchase of Right-of-Way, P.T.H. No. 59 - Rat River Bridge, R.M. of Hanover & Ritchot	6.8						30.00
	6005	Purchase of Right-of-Way, W. of P.T.H. No. 75 - NE Corner Sec. 15-7-2E., R.M. of Ritchot & Macdonald	1.6						1,373.57

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
306	5620	Purchase of Right-of-Way, P.R. No. 213 - P.T.H. No. 44, R.M. of Springfield & Brokenhead	8.2						$ 2,955.41
307	5617	Purchase of Right-of-Way & & Utilities, P.T.H. No. 11 - West, R.M. of Whitemouth	8.3						3,220.18
	5626	Preliminary Engineering, Park Gate - Rennie River, Whiteshell Provincial Park	16.4						3,140.75
308	5922	Base Course & Asphalt Surface Treatment, Moose Lake Southerly, L.G.D. of Piney & Northwest Angle Provincial Park	10.5			8.4	8.4 (Asphalt Surface Treatment)		403,252.73
	5938	Calcium Chloride Treatment, Moose Lake Entrance - E. Braintree, L.G.D. of Reynolds & Northwest Angle Forest Park	40.6				40.6 (Calcium Chloride Treatment)		25,104.05
311	5876	Gravelling & Calcium Chloride Treatment, P.R. No. 206 - P.T.H. No. 59, R.M. of Hanover	7.2		7.2		7.2 (Calcium Chloride Treatment)		53,049.70

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
311 & 318	5641	Grading, Base Course & Bituminous Surfacing, P.T.H. No. 59 - Niverville, P.R. No. 311 Southerly, Village of Niverville & R.M. of Hanover	3.4						$117,830.70
313 & 502	5778	Grade Widening & Surfacing, Village of Lac du Bonnet, R.M. of Lac du Bonnet	3.4	1.8			1.8		777,011.61
314	5812	Traffic Sign Installation, Bird Lake - Wadhope, Unorganized Territory							7,289.77
319	5878	Calcium Chloride Treatment, P.T.H. No. 59 - Patricia Beach, L.G.D. of Alexander	3.7				2.3 (Calcium Chloride Treatment)		7,544.36
320	5625	Preliminary Engineering, Clandeboyne Turn-Off - Netley Creek, R.M. of St. Andrews	5.1						4,507.16

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
321	5736	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 7 - P.R. No. 220, R.M. of Rockwood, Rosser & West St. Paul	4.1						$ 1,568.02
	5904	Base Course & Asphalt Surface Treatment, P.R. No. 220 - P.T.H. No. 8, R.M. of West St. Paul	3.1			2.2	2.2 (Asphalt Surface Treatment)		262,323.05
322	5737	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 6 - P.T.H. No. 67, R.M. of Rockwood	4.3						19,243.53
	5806	Grading & Gravelling, P.T.H. No. 6 - P.T.H. No. 67, R.M. of Rosser & Rockwood	4.3	4.3	4.3				374,937.57
325	5945	Grade Widening, P.T.H. No. 6 - P.R. No. 235, R.M. of Siglunes	18.6						677,853.81

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
325	5949	Stockpiling Traffic Gravel, P.T.H. No. 6 - P.R. No. 235, R.M. of Siglunes	18.6						$135,836.34
	5954	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 6 - P.R. No. 235, R.M. of Siglunes	18.5						3,394.13
328 & 6	5780	Removal of Detours & Asphalt Decking, PowderHorn Creek & Strong Lake Creek, Unorganized Territory							4,778.09
329	5819	Preliminary Engineering, P.T.H. No. 8 - P.R. No. 326, R.M. of Bifrost	8.3						5,965.04
329 & 226	5688	Removal of Detour, Bridge Approaches & Asphalt Decking, Icelandic River Bridge, R.M. of Bifrost							6,742.08
331	5667	Base Course & Asphalt Surface Treatment, P.R. No. 240 - P.T.H. No. 13, R.M. of Portage la Prairie	12.0						26,420.07

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
332	5799	Excavation, Base Course & Bituminous Pavement, P.T.H. No. 2 - North Limits of Starbuck, R.M. of Macdonald	0.6	0.6		0.6	0.6		$319,438.70
334	5943	Purchase of Right-of-Way, N. Bdry. R.M. of Macdonald - E. Jct. P.R. No. 241, City of Winnipeg	3.8						59,594.92
	6013	Grading & Drainage Improvements, P.R. No. 241 - P.R. No. 427, City of Winnipeg	2.0						7,798.65
336	5937	Bridge Detour & Approaches, E. of NE 1/4 Sec. 6-6-2W., R.M. of Morris							42,270.36
338	5713	Grading & Gravelling, N. of P.R. No. 245, E. of Sec. 30-6-6W., R.M. of Dufferin	1.0						9,160.90
	5849	Grading & Gravelling, Thornhill Northerly, R.M. of Stanley	1.5	1.5	1.5				316,616.48

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
338	5916	Bridge Approach & Channel Realignment, Shannon Creek, R.M. of Stanley							$ 13,273.58
340	5630	Base Course & Asphalt Surface Treatment, Belmont - P.T.H. No. 23, R.M. of Strathcona	1.5			0.5	0.5 (Asphalt Surface Treatment)		24,642.48
	5770	Preliminary Engineering, P.T.H. No. 1 - P.T.H. No. 2, R.M. of Elton, Cornwallis, South Cypress & Oakland	26.0						22,397.53
341	5948	Grading, P.T.H. No. 10 - P.R. No. 444, R.M. of Morton	4.0	4.0					257,816.96
342	5699	Grading & Gravelling, P.R. No. 253 - South, R.M. of Argyle & Louise	4.0						115,088.15
	5971	2nd Lift Construction Gravel, P.R. No. 253 - South, R.M. of Argyle & Louise	4.0		4.0				14,734.66
	6012	Purchase of Right-of-Way, P.T.H. No. 3A - Clearwater, R.M. of Louise	0.3						31.92

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
343	5852	2nd Lift Construction Gravel, Regent - Easterly, R.M. of Morton	3.1		3.1				$ 15,511.95
	6000	Preliminary Engineering, Regent - Westerly, R.M. of Winchester	4.0						5,756.21
344	5882	Grading & Gravelling, NE Corner Sec. 9-9-18W. - Richmond Avenue, R.M. of Cornwallis	6.3	6.3	6.3				632,323.23
	5972	Preliminary Engineering, Wawanesa - N. of P.R. No. 453, R.M. of Oakland	18.2						82.83
	5974	Preliminary Engineering, 1st Street - 18th Street, City of Brandon	1.0						24,064.15
345	5694	Base Course & Asphalt Surface Treatment, W. Jct. P.R. No. 252 - Tilston, R.M. of Albert	9.8						38,642.51
346	5966	Purchase of Right-of-Way, Thru Souris River Valley, R.M. of Riverside	3.3						6,586.00

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
349	5771	Preliminary Engineering, P.T.H. No. 10 - P.R. No. 250, R.M. of Cornwallis & Whitehead	13.0						$ 2,129.43
351	5773	Preliminary Engineering, P.T.H. No. 5 - West, R.M. of North Cypress	1.5						10,305.48
352	5685	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 16 - Arden, R.M. of Lansdowne							25,065.51
	5725	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Arden - P.R. No. 575, R.M. of Lansdowne	12.0						22,991.35
	5783	Bridge Approaches & Deck Surfacing, N. Sec. 27-12-16W., R.M. of North Cypress							8,048.05
	5788	Base Course & Asphalt Surface Treatment, West of Brookdale, R.M. of Elton	6.2			0.5	0.5 (Asphalt Surface Treatment)		62,464.59

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
353	5944	Abandonment Grant, SE Corner Sec. 34-12-17W., R.M. of Elton & Odanah	6.1						$ 18,300.00
	5968	Base Course & Asphalt Surface Treatment, P.R. No. 468 - Easterly, R.M. of Elton	4.1			4.1	4.1 (Asphalt Surface Treatment)		243,606.00
353 & 468	5784	Grading & Gravelling, P.R. No. 353 - S. Jct. P.R. No. 468 - East & P.R. No. 468 - N. Jct. P.R. No. 353 - South, R.M. of Elton	5.1						20,591.15
354	5727	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 21 - Northerly, R.M. of Daly & Whitehead	5.5						10,959.43
	5926	Purchase of Right-of-Way & Utilities, P.R. No. 355 - NE Corner Sec. 35-15-22W., R.M. of Blanshard	6.2						36.00
	5979	Bridge Site Preparation, Oak River Bridge, E. of Sec. 9-14-22W., R.M. of Blanshard							32,967.22

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
354 & 355	5842	Purchase of Right-of-Way & Utilities, E. of Cardale - S. Jct. P.R. No. 470, R.M. of Blanshard & Hamiota	11.2						$ 1,899.32
355	5829	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 474 - P.T.H. No. 83, R.M. of Miniota	7.1						6,762.88
	5902	Preliminary Engineering, Purchase of Right-of-Way, Utilities, Grading & Gravelling, North of 11 & 12-15-25W., R.M. of Miniota	1.0						3,503.60
357	5844	Purchase of Right-of-Way & Utilities, P.R. No. 562 - P.T.H. No. 10, R.M. of Rosedale & Clanwilliam	12.7						131,345.75
	5942	Base Course & Asphalt Surface Treatment, P.T.H. No. 5 - P.R. No. 562, R.M. of Rosedale	8.9						8,619.38

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
357	5959	Grading & Gravelling, P.T.H. No. 10 - P.R. No. 562, R.M. of Rosedale & Clanwilliam	12.8	4.0	4.0				$374,088.84
359	5767	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 45 - NE Corner 8-19-22W., R.M. of Rossburn & L.G.D. of Park	10.2						34,124.95
	5828	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 354 - NE Corner Sec. 8-19-22W., L.G.D. of Park, Roblin/ Russell Unorganized	10.2						12,259.80
	5830	Grading & Gravelling, P.R. No. 566 - NE Corner Sec. 8-19-22W., R.M. of Rossburn & L.G.D. of Park	4.0						15,497.64
	5845	Preliminary Engineering & Purchase of Right-of-Way, Wasmin Creek, Sec. 32-19-19W., L.G.D. of Park	1.5						7,271.87

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
359	5920	Grading & Gravelling, Vista - P.R. No. 566, R.M. of Rossburn	6.1	6.1	6.1				$517,552.66
362	5905	Purchase of Right-of-Way & Utilities, P.R. No. 267 - P.R. No. 273, R.M. of Dauphin	6.0						434.00
366	5720	Grading & Gravelling, NE Corner Sec. 12-28-14W. - South Bdry. Duck Mountain Provincial Park, Duck Mountain Forest Reserve	4.1						13,511.63
	5721	Grading & Gravelling, P.T.H. No. 5 - South, R.M. of Grandview	7.0	1.3	1.3				52,813.96
	5746	2nd Lift Construction Gravel, NE Corner Sec. 12-28-14W.- South Bdry. Duck Mountain Forest Reserve	4.2	4.2	4.2				27,867.07
	5801	Purchase of Right-of-Way & Utilities, P.R. No. 584 - East, R.M. of Grandview & Boulton	14.4						47,879.69

Table No. C3

Highway No.	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
366	5831	Grading & Gravelling, P.T.H. No. 10 - P.R. No. 587, R.M. of Minitonas	8.5						$ 3,065.02
	5832	Preliminary Engineering, Purchase of Right-of-Way & Utilities, N. of Valley River Bridge - NE Corner of Sec. 12-26-24W., R.M. of Grandview	3.5						13,986.67
	5925	Calcium Chloride Treatment, P.R. No. 267 - N. Dist. Bdry. & S. of P.R. No. 267, R.M. of Grandview & Duck Mountain Forest Reserve	9.2				8.0 (Calcium Chloride Treatment		29,030.50
	5932	Purchase of Right-of-Way & Utilities, P.T.H. No. 5 - South, R.M. of Grandview	7.5						6,421.24
	5997	Preliminary Engineering, Woody River - P.R. No. 268, L.G.D. of Mountain	3.0						1,999.96
	6011	Clearing, Vicinity of Wellman Lake, Duck Mountain Provincial Park	4.3						43,261.85

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
366 & 367	5929	Calcium Chloride Treatment, Duck Mountain Forest Reserve							$133,950.15
366 & 608	5757	Base Course & Bituminous Pavement, P.T.H. No. 5 - Valley River Bridge, P.T.H. No. 5 - P.R. No. 366, R.M. of Grandview	1.9			1.9	1.9		172,765.72
367	5924	Calcium Chloride Treatment, P.T.H. No. 10 - Dist. 8 & 9 Boundary, R.M. of Ethelbert & Duck Mountain Forest Reserve	4.0				4.0 (Calcium Chloride Treatment)		14,737.20
401	5662	Preliminary Engineering, Purchase of Right-of-Way, P.R. No. 204 - P.R. No. 202, R.M. of East St. Paul	1.9						42,697.51
406	5934	Calcium Chloride Treatment, Elma - P.T.H. No. 11, R.M. of Whitemouth							10,917.75

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
406	6010	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 15 - P.T.H. No. 44, R.M. of Whitemouth	5.7						$ 23,613.91
408	5618	Purchase of Right-of-Way, P.T.H. No. 44 - P.R. No. 307, R.M. of Whitemouth	8.5						2,026.67
	5879	Calcium Chloride Treatment, P.T.H. No. 11 - River Hills, R.M. of Whitemouth							10,055.73
410	6024	Preliminary Engineering, P.R. No. 238 - P.T.H. No. 9, R.M. of St. Andrews	0.5						3,092.58
411	5668	Grading & Gravelling, P.R. No. 430 - P.R. No. 414, R.M. of Woodlands & Portage la Prairie	7.2	0.6	0.6				5,207.08
	5837	Completion of Grading, P.T.H. No. 6 - P.R. No. 414, R.M. of Woodlands	7.0						1,289.95

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Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
413	5802	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 9 - W. Bdry., R.M. of St. Andrews	6.1						$ 27,446.66
415	5890	Purchase of Right-of-Way, P.T.H. No. 6 - N. Jct. P.R. No. 518, R.M. of St. Laurent	9.2						6,084.02
416	5881	Grading, Vicinity of Inwood, L.G.D. of Armstrong	2.5						48,777.76
417	5870	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 6, Dog Creek Indian Reserve, R.M. of Eriksdale	15.2						11,481.86
	5977	Stockpiling Traffic Gravel, Eriksdale Westerly, R.M. of Eriksdale	15.2						95,841.96
	5978	Grading, Eriksdale Westerly, R.M. of Eriksdale	15.2	15.2					699,133.66

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
419	6020	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 6 - Sandy Point, R.M. of Coldwell	11.7						$ 5,459.50
420	5732	Preliminary Engineering & Purchase of Right-of-Way, P.T.H. No. 75 West, R.M. of Macdonald & Ritchot	3.2						8,724.35
421	5690	Preliminary Engineering & Purchase of Right-of-Way, P.R. No. 522 - P.T.H. No. 75, R.M. of Rhineland & Montcalm	4.6						3,867.51
422	5983	Preliminary Engineering, P.T.H. No. 23 - P.R. No. 205, R.M. of Morris	7.2						30,467.45
424	5669	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 2 - P.R. No. 241, R.M. of Cartier & Macdonald	6.4						86,473.61

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
428	5692	Detour & Bridge Approaches, E. of NE 1/4 Sec. 9-4-4W., R.M. of Roland							$ 10,573.53
	5714	Grading & Gravelling, P.T.H. No. 14 - P.T.H. No. 23, R.M. of Roland & Stanley	11.4						44,183.00
	5793	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 14 - P.T.H. No. 23, R.M. of Roland & Stanley	11.4						28,088.94
430	5670	Preliminary Engineering, P.R. No. 227 - St. Ambroise Beach, R.M. of Portage la Prairie	12.5						209,445.79
	5807	Grading & Gravelling, P.R. No. 277 - St. Ambroise Beach, R.M. of Portage la Prairie	12.5	9.2	9.2				846,257.68
	5913	Calcium Chloride Treatment, P.T.H. No. 1 - P.T.H. No. 26, R.M. of Portage la Prairie	6.6				6.6 (Calcium Chloride Treatment)		28,651.71

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
432	5719	Grading, Base Course & Bituminous Surfacing, Progressive Road, R.M. of Stanley	0.5						$ 10,041.72
	5741	Base Course & Asphalt Surface Treatment, Morden - P.T.H. No. 23, R.M. of Stanley & Thompson	11.6			11.6	11.6 (Asphalt Surface Treatment)		1,138,119.71
440	6003	Preliminary Engineering, P.T.H. No. 23 - Pembina River Valley, R.M. of Argyle	6.0						36,302.14
445	5695	Grade Widening, Base Course & Asphalt Surface Treatment, Melita - Westerly, R.M. of Arthur & Edward	11.7						101,263.18
447	5697	Grading, Souris River - P.T.H. No. 83, R.M. of Arthur	4.5	0.9	0.9				22,087.87

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
454	5909	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 20 - P.R. No. 347, R.M. of Glenwood	5.6						$ 27,113.91
460	5671	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Gladstone - P.R. No. 265, R.M. of Westbourne	11.5						84,486.45
462	5833	Bridge Detour, N. of NE 1/4 Sec. 19-19-13W., L.G.D. of Alonsa							2,407.00
464	5791	Grading & Gravelling, NE Corner Sec. 28-11-16W. - P.R. No. 353, R.M. of North Cypress	6.0						33,016.53
465	5843	Preliminary Engineering, Jct. P.T.H. No. 5 - S. Jct. P.R. No. 464, R.M. of Langford	5.1						15,340.58

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
467	5787	Preliminary Engineering, Purchase of Right-of-Way, P.T.H. No. 83 - West Junction P.R. No. 256, R.M. of Miniota & Archie	12.1						$ 13,991.00
468	5782	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 457 - P.R. No. 561, R.M. of Elton & Cornwallis	10.3						2,837.46
	5785	Preliminary Engineering, P.R. No. 561 - P.R. No. 353, R.M. of Elton	4.0						3,964.94
	5947	Grading & Gravelling, N. of Sec. 11-11-18W. - W. of Sec. 12-11-18W., R.M. of Elton	0.8	0.8	0.8				61,884.49
471	5824	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 5 - NE Corner 32-15-16W., R.M. of Rosedale	10.5						36,966.46

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
474	5763	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 24 - NE Cor. Sec. 31-14-25W., R.M. of Miniota	7.6						$ 48,674.66
	5858	Grading & Gravelling, P.T.H. No. 42 - South, R.M. of Birtle	6.0						1,550.83CR.
	5900	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Isabella Area, R.M. of Miniota & Birtle	8.4						66,306.03
477	5864	Grading & Gravelling, N. of Sec. 18-16-23W., R.M. of Shoal Lake	0.7						10,072.12
478	5764	Preliminary Engineering, P.T.H. No. 16 - East, R.M. of Russell & Silver Creek	4.6						15,046.13
	5921	2nd Lift Construction Gravel, P.T.H. No. 45 - P.R. No. 254, R.M. of Silver Creek	6.2	6.2	6.2				24,675.14

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
480	5722	Grading & Gravelling, N. of Henderson Creek - Makinak, R.M. of Ochre River	5.5						$ 60,744.43
	5747	Purchase of Right-of-Way & Utilities, S. Jct. P.T.H. No. 5 - East, R.M. of Ste. Rose	1.2						17,078.05
	5748	Purchase of Right-of-Way & Utilities, North Junction P.T.H. No. 5 - Turtle River, Ochre River	5.0						25,826.16
	5869	Purchase of Right-of-Way & Utilities, Laurier - S. of Henderson Creek - R.M. of Ste. Rose & Ochre River	6.0						292.61
	5895	Purchase of Right-of-Way & Utilities, SE 19-22-16W - NE 5-23-16W., R.M. of Ochre River	4.2						241.00
	5931	Purchase of Right-of-Way & Utilities, P.T.H. No. 5 - Laurier, R.M. of Ste. Rose	2.1						4,152.94

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
485	5657	Preliminary Engineering, P.R. No. 366 - P.R. No. 486, R.M. of Swan River & Minitonas	10.2						$ 3,879.88
486	5658	Preliminary Engineering, N. of Sec. 36-34-28W. & 31-34-27W., R.M. of Swan River	2.0						940.58
	5659	Grading & Gravelling, P.T.H. No. 83 - P.R. No. 485, R.M. of Swan River	3.2						6,133.56
	5964	Base Course & Asphalt Surface Treatment, P.T.H. No. 83 - P.R. No. 485, R.M. of Swan River	3.0			1.4	1.4 (Asphalt Surface Treatment)		146,406.12
487	5660	Grading, Gravelling & Bridge Detours, P.T.H. No. 83 - P.R. No. 588, R.M. of Swan River	8.4	1.4	1.4				75,558.79
488	5917	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 10- South, R.M. of Swan River	1.3						3,983.78

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
489	5749	Purchase of Right-of-Way & Utilities, E. of Garland - E. of Garland River, R.M. of Ethelbert	5.8						$ 3,757.27
	5797	Sealcoating, P.T.H. No. 10 - Garland, R.M. of Ethelbert	1.3				1.3 (Seal Coat)		6,503.07
501	5633	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 12 - P.T.H. No. 1, R.M. of Tache	6.1						7,768.41
	5644	Grading & Gravelling, Ste. Genevieve Access Road - Ross, R.M. of Tache	4.9	4.6	4.6				490,918.96
	5951	Grading & Gravelling, P.T.H. No. 1 - P.T.H. No. 12, R.M. of Tache	6.1	5.0	5.0				419,873.73
508	5629	Purchase of Right-of-Way & Utilities, P.T.H. No. 59 - West, R.M. of St. Clements	2.3						29,277.78

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
508	5989	Grading & Gravelling, P.T.H. No. 59 - St. Peters Rd., R.M. of St. Clements	2.4	2.4	2.4				$204,551.29
513	5885	Grading, Gypsumville- Easterly, L.G.D. of Grahamdale	10.8	10.8					617,077.61
	5887	Stockpiling Traffic Gravel, Gypsumville - Easterly, L.G.D. of Grahamdale	10.8						107,788.24
514	5999	Preliminary Engineering, P.R. No. 235 - North, R.M. of Siglunes	9.8						7,171.70
515	5941	Bituminous Pavement, P.T.H. No. 8 - P.T.H. No. 9, R.M. of St. Andrews	3.1				2.6		378,213.56
517	5738	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 236 - P.R. No. 332, R.M. of Rockwood & Woodlands	6.9						674.61

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
517	5740	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 236 - P.T.H. No. 7, R.M. of Rockwood	3.0						$ 8,720.01
518	5672	Grading & Gravelling, P.T.H. No. 6 - North, R.M. of Woodlands	7.8						2,324.77
	5839	Preliminary Engineering, Purchase of Right-of-Way & Utilities, District Boundary - South Jct. of P.R. No. 415, R.M. of St. Laurent	5.3						515.60
541	5873	2nd Lift Construction Gravel, P.T.H. No. 5 - East, R.M. of Roblin	4.4						3,276.83
541	6002	Preliminary Engineering & Purchase of Right-of-Way N. of Sec. 6-3-13W. & 1-3-14W., R.M. of Roblin	2.0						16,446.83

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
547	5898	Purchase of Right-of-Way, P.R. No. 482 - Saskatchewan Bdry., R.M. of Shellmouth	2.1						$ 1,290.00
566	5761	Preliminary Engineering, Purchase of Right-of-Way & Utilities, W. Jct. P.R. No. 359 - P.R. No. 577, R.M. of Rossburn	4.5						4,020.33
566 & 21	5762	Grading & Gravelling, U.V.D. of Oakburn - P.R. No. 359, R.M. of Rossburn & Shoal Lake	4.0						15,280.31
568	5903	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 83 West, R.M. of Birtle	4.3						1,858.00
571	5901	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 41 - Saskatchewan Boundary, R.M. of Archie & Ellice	4.1						25,729.68

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
575	5673	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 260 - Tenby, R.M. of Westbourne, Glenella & Lansdowne	3.4						$ 10,160.69
577	5846	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 566 - Rossman Lake, R.M. of Rossburn	9.2						1,221.63
	5857	Installation of Culverts, Herin Creek, R.M. of Rossburn							21,673.97
577 & 566	5765	Grading & Gravelling, P.R. No. 566 - Rossman Lake, R.M. of Rossburn	9.7						36,578.14
582	5723	Grading & Gravelling, P.R. No. 480 - West, R.M. of Ochre River	5.1	0.4	0.4				35,434.60

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
584	5750	Preliminary Engineering, P.R. No. 591 - North, R.M. of Hillsburg	2.2						$ 4,461.11
586	5867	Grade Widening & Shoulder Gravel, P.T.H. No. 83 - P.R. No. 486, R.M. of Swan River	1.0	1.0	1.0				143,318.29
	5877	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 83 - Durban, R.M. of Swan River	1.0						28,200.63
587 & 266	5652	Preliminary Engineering, Purchase of Right-of-Way & Utilities, N. & S. from Jct. P.R. No. 587 & P.R. No. 266, Village of Bowsman & R.M. of Minitonas	2.0						481.37
588	5693	Grading & Gravelling, Jct. P.R. No. 487 - Southerly, R.M. of Swan River	1.0						7,416.17

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
588	5868	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.T.H. No. 83 - North, R.M. of Swan River	2.3						$ 53,072.98
602	5981	Detour & Bridge Approaches, Seine River Bridge, R.M. of Tache							5,898.02
604	5967	Grading, Base Course & Bituminous Surfacing, Pilot Mound Access, Village of Pilot Mound	0.3						1,327.93
	5696	Excavation, Base Course & Bituminous Pavement, Broadway Avenue - Deloraine, Town of Deloraine	0.5						14,202.31
605	5772	Preliminary Engineering, P.R. No. 605 - Cranberry Access, R.M. of North Cypress	1.0						4,737.77
	5790	Asphalt Surface Treatment, Lenore Access, R.M. of Woodworth	0.6						3,855.78

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
605	5813	Base Course, Curb, Gutter & Bituminous Pavement, King Street, Town of Virden	0.8			0.8	0.8		$306,707.48
	5935	Railway Crossing Protection, First Street, City of Brandon							1,689.42
606	5674	Bituminous Pavement, Austin Access Road, R.M. of North Norfolk	0.6				0.6		154,285.76
	5675	Grading, Base Course & Asphalt Surface Treatment, P.R. No. 331 - Southerly, R.M. of Portage la Prairie	0.7						9,970.00
607	5847	Preliminary Engineering, Purchase of Right-of-Way & Utilities, Harrowby Access, R.M. of Russell	0.6						5,556.21
	5853	Calcium Chloride Treatment, Harrowby Access, R.M. of Russell	1.0				1.0 (Calcium Chloride Treatment)		3,004.96

Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
607	5856	Preliminary Engineering, P.T.H. No. 83 - P.T.H. No. 16, R.M. of Russell	1.3						$ 3,314.38
607 & 61	5919	Grading & Gravelling, Harrowby Access, R.M. of Russell	1.9						22,225.74
608	5758	Purchase of Right-of-Way, Kinosota Access, L.G.D. of Alonsa	2.7						16,018.19
	5759	Grading & Gravelling, Kinosota Access, L.G.D. of Alonsa	2.7						268,219.19
608 & 19	5923	Calcium Chloride Treatment, P.R. No. 482 - Westerly, R.M. of Shellmouth	2.7				2.7 (Calcium Chloride Treatment)		7,515.97
611	6014	Base Course & Asphalt Surface Treatment, St. Laurent Access, R.M. of St. Laurent	4.8						17,220.78

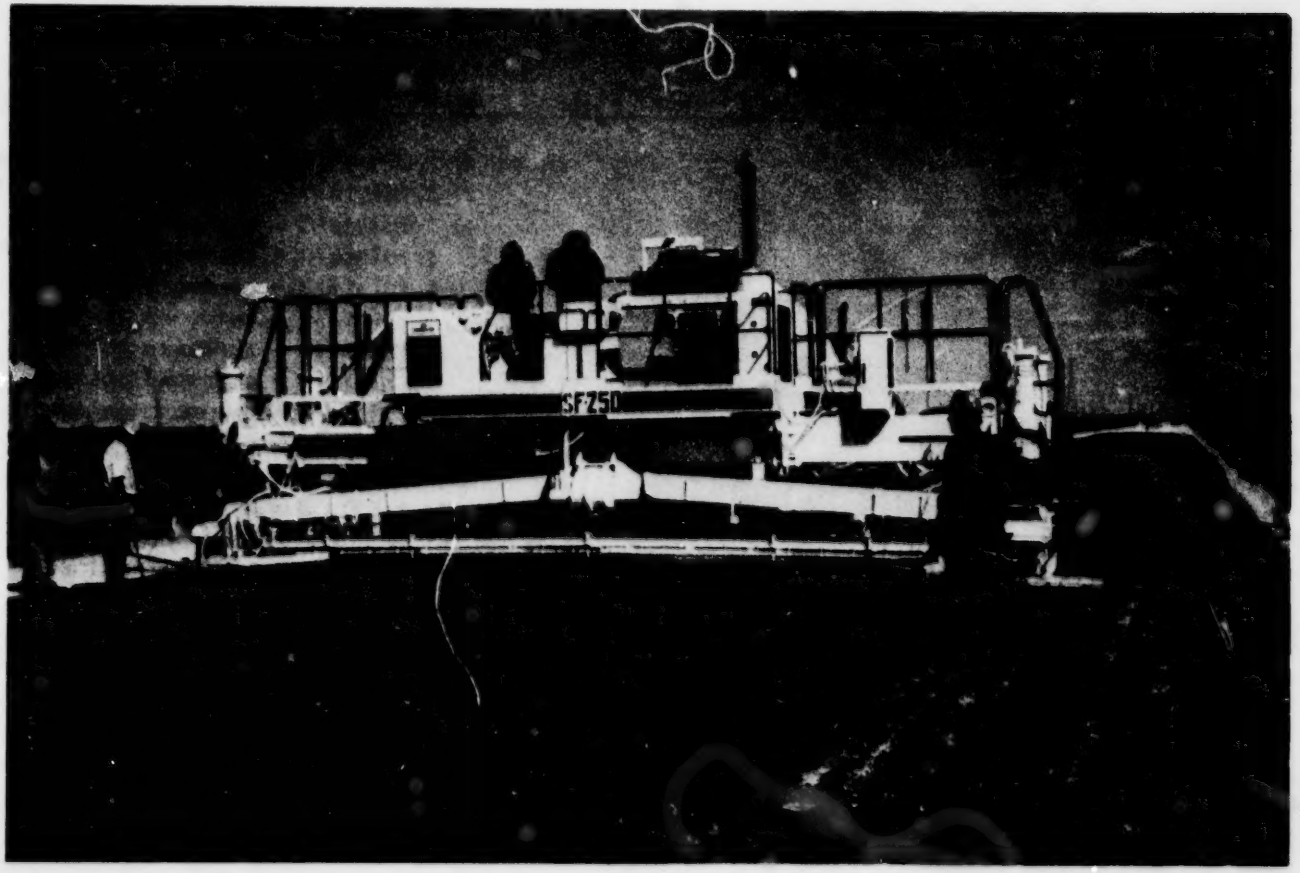
Table No. C3

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Miscellaneous									
	5600	Purchase of Right-of-Way, Various Highways							$ 29,144.65
	5601	Engineering Expenses - District 1							21,651.21
	5602	Engineering Expenses - District 2							7,573.77
	5603	Engineering Expenses - District 3							10,651.18
	5604	Engineering Expenses - District 4							13,877.88
	5605	Engineering Expenses - District 5							3,886.11
	5606	Engineering Expenses - District 6							14,900.12
	5607	Engineering Expenses - District 7							21,296.81
	5608	Engineering Expenses - District 8							60,984.16
	5609	Engineering Expenses - District 9							18,004.43
	5610	Engineering Expenses - District 10							64,616.51
	5611	Engineering Expenses - District 11							12,027.43
	5612	Engineering Expenses - District 12							3,697.47
	5615	Engineering Audit Surveys, Various Provincial Roads							79,695.48
	5616	Purchase of Right-of-Way, Various Locations							9,807.00
	5866	Automatic Rail Road Grade Crossing Protection, Various Locations							9,668.75
	5888	Spreading Traffic Gravel - Various Locations							5,231.86CR

Table No. C3

Highway No.	Work Order	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Miscellaneous									
	6007	Preliminary Engineering, P.R. No. 417 - Dog Creek School, Dog Creek Reserve No. 46, R.M. of Siglunes	7.6						16,330.63
		Bridge Projects (for details see Table No. B1)							2,992,628.47
				157.70	155.30	65.90	*239.30		34,016,918.84

*Bituminous Surfacing	31.4
Calcium Chloride Treatment	152.8
Asphalt Surface Treatment	52.0
Seal Coat	3.1
	239.3



Slip Form Concrete Paver at work

P.T.H. No. 100 showing pavement overlay construction

Table No. C4

HIGHWAY CONSTRUCTION
NORTHERN ROADS
APPROPRIATION 15-6

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
6	N375	Preliminary Engineering, S. of Minago River - Hargrave River, Unorganized Territory	24.2						$ 15,240.70
	N393	Sealcoating, Jct. P.T.H. No. 6 - P.R. No. 391 Southerly, Unorganized Territory	27.0				27.0 (Seal Coat)		218,600.39
10	N298	Bituminous Repairs, Vicinity of Schist Lake, Unorganized Territory	9.0						16,020.59
	N392	Street Improvements, First Avenue - North Avenue, City of Flin Flon	0.1						16,470.64
283	N303	Preliminary Engineering, Purchase of Right-of-Way & Utilities, P.R. No. 282 - Saskatchewan Border, L.G.D. of Consol	11.3						738.00

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
283	N368	Stockpiling Base Course, West of The Pas, L.G.D. of Consol							$ 11,146.18
	N372	Grade Widening, P.R. No. 282 - Saskatchewan Boundary, L.G.D. of Consol	11.3	11.3					1,684,135.42
285	N306	Purchase of Right-of-Way, Ralls Island Road, L.G.D. of Consol	1.6						2,250.34
	N341	Urban Section & Asphalt Overlay, Bell Avenue - Easterly, Town of the Pas & L.G.D. of Consol	3.3						665.00
287	N316	Drainage Improvements & Sub-Grade Reinforcement, Airport - Atikameg, Clearwater Provincial Park	4.3						140,118.06
289	N312	Traffic Gravel & Calcium Chloride Treatment, Grace Lake Road, Town of The Pas	1.5				1.5 (Calcium Chloride Treatment)		6,640.16

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
304	N300	Preliminary Engineering, Wanipigow - Easterly, E.D. of Rupertsland	10.0						$ 5,229.98
	N366	Shoo-Fly Detours, O'Hanley River, Black River & Sandy River, Rupertsland Unorganized							9,555.91
	N384	Grading & Gravelling, Black River - Sandy River, E.D. of Rupertsland	8.6	8.6	8.6				1,353,262.20
	N386	Calcium Chloride Treatment, O'Hanley River - Wallace Lake, E.D. of Rupertsland							9,674.07
	N395	Crushed Rock, Base Course & Asphalt Surface Treatment, O'Hanley River - Black River, Rupertsland Unorganized	6.0			4.7	4.7 (Asphalt Surface Treatment)		893,623.37
	N402	Clearing of Right-of-Way, Manigotagan - Wanipigow Access Road, E.D. of Rupertsland	12.3						96,202.90
304 & 314	N385	Traffic Gravel, O'Haley River - Long Lake, E.D. of Rupertsland	85.0						446,298.88

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
314	N370	Grading, 1 Mile North of P.R. No. 315, E.D. of Lac du Bonnet							$ 31,251.68
315	N387	Calcium Chloride Treatment, Bird River - Bird Lake, L.G.D. of Alexander & E.D. of Lac du Bonnet	20.0				11.6 (Calcium Chloride Treatment)		4,347.53
375	N358	Drainage & Bituminous Levelling, P.R. No. 391 - Paint Lake, L.G.D. of Mystery Lake	3.7						9,526.16
391	N305	Drainage & Grade Improvements, P.R. No. 610 - Jct. Turnbull Lake Road, L.G.D. of Mystery Lake, Unorganized Territory & Town of Leaf Rapids							68,903.61
	N313	Bituminous Surfacing & Shoulder Improvements, Turnbull Lake - Watsko Lake - Hughes Lake - Lynn Lake, Unorganized Territory & L.G.D. of Lynn Lake	44.8				6.2		77,443.02

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
391	N324	Bituminous Levelling, Vicinity of Reed Lake - P.R. No. 392, Unorganized Territory	29.4						$ 30,417.78
	N328	Grade Widening, Drainage & Stockpiling Base Course, Pipe Lake Mine Access Road - South Soab Mine Road, L.G.D. of Mystery Lake	22.6						49,813.41
	N359	Drainage & Surface Repairs, Wabowden Access - Jct. South Soab Mine Road, Unorganized Territory	22.7						39,715.33
	N373	Grade Widening & Base Course, P.R. No. 392 - East of Wekusko Junction, Unorganized Territory	12.6	10.3	10.3	10.3			1,697,138.88
	N376	Bituminous Levelling & Shoulder Restoration, Turnbull Lake - Watsko Lake, L.G.D. of Lynn Lake & Unorganized Territory	23.7			23.7	23.7		49,079.11
	N377	Bituminous Levelling & Shoulder Restoration, Vicinity of Hughes Lake - Lynn Lake, L.G.D. of Lynn Lake	21.1			21.1	21.1		206,228.27

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
391	N378	Bituminous Levelling & Shoulder Restoration, Vicinity of Watsko Lake - Hughes Lake, Unorganized Territory	21.8			21.8	21.8		$ 53,226.88
	N381	Bituminous Levelling, Vicinity of Reed Lake - P.R. No. 392, Unorganized Territory	28.4						197,728.92
	N390	Preliminary Engineering, Jct. P.R. No. 6 - Wabowden Jct., Unorganized Territory	29.1						35,424.78
	N391	Grading, Gravelling & Drainage Improvements, Thompson Airport - Jct. Turnbull Lake Road, L.G.D. of Mystery Lake, Unorganized Territory & Town of Leaf Rapids	124.5						155,857.37
	N396	Upgrading Traffic Signals, City of Thompson, L.G.D. of Mystery Lake							12,696.25
	N401	Bridge Detour & Approaches, Mitishto River, Unorganized Territory							34,383.77

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
392	N291	Completion of Rock Embankment, Base Course & Asphalt Surface Treatment, P.R. No. 391 - Town of Snow Lake, L.G.D. of Snow Lake	20.5						$ 58,456.68
393	N334	Grade Repair, Gravelling & Calcium Chloride Treatment, P.R. No. 392 - Osborne Lake Mine, L.G.D. of Snow Lake	11.8		5.4		5.4 (Calcium Chloride Treatment)		25,817.08
	N379	Grade Repairs & Calcium Chloride Treatment, P.R. No. 392 - Osborne Lake Mine, L.G.D. of Snow Lake	11.8				11.8 (Calcium Chloride Treatment)		66,495.15
394	N213	Drainage & Grade Improvements, Lynn Lake - Vandekerckhove Lake, L.G.D. of Lynn Lake & Unorganized Territory	31.0	5.0					27,626.81
395	N340	Gravelling & Calcium Chloride Treatment, P.R. No. 392 - Chisel Lake Mine, L.G.D. of Snow Lake	8.1		3.0		3.0 (Calcium Chloride Treatment)		28,141.07

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
395	N380	Gravelling & Calcium Chloride Treatment, P.R. No. 392 - Chisel Lake Mine, L.G.D. of Snow Lake	8.1		6.9		6.9 (Calcium Chloride Treatment)		$ 60,562.76
396	N388	Bituminous Levelling & Shoulder Restoration, P.R. No. 397 - Fox Lake Mine, L.G.D. of Lynn Lake & Unorganized Territory	28.2						66,337.28
610	N326	Subgrade Repair & Bituminous Levelling, P.T.H. No. 10 - Man-For Plant Site, Unorganized Territory	3.0						23,604.07
South Bay Road	N319	Gravelling & Drainage Improvements, Ruttan Lake Mine - S. Bay, Unorganized Territory	34.0						19,222.87CR.
Jenpeg	N349	Grading, Grade Widening, Crushing & Gravelling, Norway House Road, Unorganized Territory	29.5						13,737.22CR.

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Moose Lake Access Road	N350	Settlement Repairs & Gravelling, Atikameg - Moose Lake Settlement, Unorganized Territory	28.0						$ 6,707.44
Thompson Gillam Road	N360	Grading & Gravelling, Split Lake - Stephens Lake, Unorganized Territory	42.0						3,064,370.18
	N361	Grading & Gravelling, Stephens Lake - Longspruce, Unorganized Territory	37.0						2,481,194.13
	N367	Stockpiling Traffic Gravel, Split Lake - Longspruce, Unorganized Territory	79.0						868,505.30
	N399	Stockpiling Traffic Gravel, Split Lake - Stephens Lake, Unorganized Territory							1,502,638.33
Easterville Extension Road	N371	Grading & Asphalt Surface Treatment, P.R. No. 327 - Westerly, Unorganized Territory	22.5	14.5			14.5 (Asphalt Surface Treatment)		1,667,166.67

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Umpherville Road	N382	Gravelling & Calcium Chloride Treatment, P.T.H. No. 10 - Umpherville Settlement, L.G.D. of Consol		1.4	0.8		0.8 (Calcium Chloride Treatment)		$ 41,581.91
Split Lake Road	N383	Grading, Drainage & Gravelling, Various, Unorganized Territory	11.4						100,847.68
Miscellaneous									
391	N389	Calcium Chloride Treatment, Jenpeg, Thompson, Leaf Rapids, Lynn Lake - Berge Lake, L.G.D. of Mystery Lake & Lynn Lake, Town of Leaf Rapids & Unorganized Territory	184.0				184.0 (Calcium Chloride Treatment)		140,348.58
	N394	Preliminary Engineering, Sea River Falls - Norway House, Unorganized Territory	22.0						26 [illegible]
	N397	Preliminary Engineering, Various Winter Roads, Unorganized Territory							4,925.36

Table No. C4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Miscellaneous									
	N398	Clearing & Widening, Wrong Lake, Little Grand Rapids & Island Lake, Rupertsland Unorganized							$ 38,607.06
		Bridge Projects (for details see Table No. B1)							185,010.11
				49.7	35.0	81.6	*344.0		18,131,600.49

*Bituminous Surfacing	72.8
Calcium Chloride Treatment	225.0
Asphalt Surface Treatment	19.2
Seal Coat	27.0
	344.0

P.T.H. No. 5 at Gilbert Plains

Table No. C5

HIGHWAY CONSTRUCTION
HIGHWAY STRENGTHENING AGREEMENT
APPROPRIATION 15-6

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
1	H133	Preliminary Engineering, P.T.H. No. 100 - Headingley, City of Winnipeg							$ 59,750.72
	H165	Bituminous Pavement, P.R. No. 332 - P.R. No. 331, R.M. of Cartier & Portage la Prairie	13.0				13.0		1,627,279.00
	H168	Bridge Detour, E. of P.R. No. 332, R.M. of Cartier	1.0						45,936.08
	H170	Bituminous Pavement, Oak Lake - Virden, R.M. of Sifton, Woodworth & Wallace & Town of Oak Lake	18.8						267,817.68
	H178	Grading & Gravelling, W. of of Alexander - P.T.H. No. 21, R.M. of Whitehead	7.1						797,784.92

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1	H179	Preliminary Engineering, & Purchase of Right-of-Way, W. Jct. P.T.H. No. 1A - W. Jct. P.T.H. No. 10, R.M. of Whitehead, Cornwallis & Elton	8.5						$126,598.11
	H184	Grading & Gravelling, P.T.H. No. 21 - Oak Lake, R.M. of Sifton	6.3	4.1	4.1				757,285.59
	H194	Bituminous Pavement, River Lot 24 - Fortier, R.M. of Portage la Prairie	13.4						158,001.16
1A	H143	Bituminous Surfacing, 11th Street - 17th Street, City of Brandon	0.4						17,635.79
	H173	Bituminous Pavement, Rosser Avenue - 19th Street, City of Brandon	1.6				1.6		278,734.29
5	H109	Completion of Purchase of Right-of-Way, Grade Widening & Gravelling, P.T.H. No. 19 - P.R. No. 235, R.M. of McCreary & Ste. Rose	25.7						8,158.87

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
5	H139	Grading, Gravelling, Base Course & Bituminous Surfacing, Scott Drain Bridge Approaches, R.M. of Ste. Rose	0.8						$ 33,242.13
	H174	Base Course & Bituminous Pavement, N.W. Corner Sec. 34-12-15W. - E. Jct. P.T.H. No. 16, R.M. of Langford & Town of Neepawa	11.4			11.4	11.4		1,809,292.79
6	H141	Bituminous Pavement, P.T.H. No. 101 - P.R. No. 321, R.M. of Rosser	8.6						6,416.32
8	H172	Preliminary Engineering & Purchase of Right-of-Way, N. of P.R. No. 230 - P.R. No. 515, R.M. of St. Clements	10.6						587.69
9,9A & 27	H146	Bituminous Overlay, Vicinity of Selkirk, Town of Selkirk, R.M. of St. Andrews	7.6						1,829,434.91

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
9A	H147	Construct Turning & Pass Lanes, Vicinity of Selkirk General Hospital, Town of Selkirk							$ 61,404.48
10	H128	Base Course & Bituminous Pavement, S. Jct. P.T.H. No. 23 - S. Jct. P.T.H. No. 2, R.M.of Whitewater & Oakland	13.7						16,586.12
	H137	Preliminary Engineering, Purchase of Right-of-Way & Utilities, N. Jct. P.R. No. 268 - S. of P.R. No. 277, L.G.D. of Mountain	17.9						60,118.45
	H144	Bituminous Recap & Stabilized Gravel Shoulder, S. of P.R. No. 282 - Town of The Pas, L.G.D. of Consol & Unorganized Territory	22.2						6,711.71
	H150	Grade Widening & Gravelling, Bowsman River - N. Jct. P.R. No. 268, R.M. of Swan River & L.G.D. of Mountain	13.0	2.0	2.0				48,512.84

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
10	H161	Rock Embankment, CNR (Sherridon Subdivision) - Mistik Creek, Unorganized Territory	4.9						$1,332,282.89
	H162	Bituminous Surfacing, Wilson & Fishing River Bridge Approaches, R.M. of Gilbert Plains & Ethelbert	1.6				1.6		88,850.04
	H167	Grade Widening & Base Course, Cranberry Portage - CNR Crossing, Unorganized Territory	4.3						1,687,430.53
	H175	Grade Widening & Shoulder Gravel, N. Jct. P.R. No. 268 - Bell River, Porcupine Forest Reserve & L.G.D. of Mountain	12.6	11.0	11.0				715,028.62
	H176	Base Course & Bituminous Pavement, Bowsman River - N. Jct. P.R. No. 268, R.M.of Swan River, Porcupine Forest Reserve & L.G.D. of Mountain	12.5			12.5	12.5		1,693,569.36

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
10	H177	Grading & Base Course, U.S. Border - Boissevain, R.M. of Morton	15.8						$243,074.06
	H193	Preliminary Engineering, Purchase of Right-of-Way & Utilities, S. of Mafeking - Red Deer River - L.G.D. of Mountain & E.D. of Swan River	17.3						24,829.45
	H195	Rock Embankment, Mistik Creek - East Bakers Narrows, Unorganized Territory	5.1						1,552,842.82
12	H154	Grading, Relocated P.T.H. No. 12 & Interchange at P.T.H. No. 1, R.M. of Ste. Anne & Tache	2.2	1.4					838,654.33
	H164	Grading, Seine River Diversion - N. of P.R. No. 207, R.M. of Ste. Anne & Village of Ste. Anne	2.2						118,250.51
	H183	Bituminous Pavement, P.R. No. 402 - P.R. No. 208, L.G.D. of Stuartburn & La Broquerie	14.1				9.2		1,639,657.73

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
12	H187	Grading & Gravelling, Relocated Rue Langevin - Village of Ste. Anne	0.7						$ 8,313.88
	H189	Bridge Detour, P.T.H. No. 12 & P.T.H. No. 1, R.M. of Ste. Anne							119,582.42
16	H069	Purchase of Right-of-Way & Utilities, Grading & Gravelling, P.T.H. No. 1 - P.T.H. No. 50, R.M. of Portage la Prairie & Westbourne	17.5	3.5	3.5				664,017.98
	H124	Preliminary Engineering, Whitemud River, Gladstone - P.R. No. 352, R.M. of Westbourne & Lansdowne	12.2						499.75
	H135	Completion of Base Course & Bituminous Pavement, P.T.H. No. 50 - Gladstone, R.M. of Westbourne	12.7			12.7	12.7		10,842.16
	H163	Preliminary Engineering, Purchase of Right-of-Way & Utilities, E. of P.T.H. No. 34 - Whitemud River, R.M. of Westbourne	2.1						$ 22,208.77

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
16	H196	Bituminous Pavement P.T.H. No. 1 - Northwesterly, R.M. of Portage la Prairie	8.8						$ 1,178.37
59	H156	Reconstruct Parking Lot & Approaches, Scale Site, R.M. of East St. Paul							1,558.44
	H166	Grading, Vicinity of Libau, R.M. of St. Clements	9.7	9.7					1,040,327.06
	H182	Bridge Deck Restoration & Bituminous Pavement, Floodway & Birds Hill Provincial Park Bridges, R.M. of Springfield & St. Clements							372,744.76
59 & 44	H123	Bituminous Surfacing, N. of P.T.H. No. 44 - S. of P.R. No. 508, R.M. of St. Clements	9.7						28,699.57
75	H185	Purchase of Right-of-Way, P.R. No. 429 - S. of P.R. No. 305, R.M. of Ritchot	10.5						236,895.25

Table No. C5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
100	H148	Concrete Median Barrier & Bituminous Pavement, St. Mary's Road - Portage Avenue, City of Winnipeg & R.M. of MacDonald	13.2						$2,584,578.41
100 & 3	H192	Bituminous Pavement, P.T.H. No. 3 - S. of Wilkes Avenue & P.T.H. No. 100 E. City of Winnipeg & R.M. of MacDonald	5.9						93,452.93
391	H145	Base Course & Bituminous Pavement, South Soab Mine Access Road - Pipe Lake Mine Acces Road, L.G.D. of Mystery Lake	23.1			23.1	23.1		91,921.66
	H171	Bituminous Levelling & Shoulder Improvements, Wekusko Juction - Wabowden Unorganized Territory	55.2			49.2	49.2		780,832.83
		Bridge Projects (for details see Table No. B1)							1,811,581.15
				31.7	20.6	108.9	134.3		$25,820,995.38

Installing an experimental section of plastic snow fence

Table No. C6

WINTER TRUCK ROADS
CONSTRUCTION AND MAINTENANCE
APPROPRIATION 15-8B-1 & 15-8B-2

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 904	Vicinity of Split Lake - York Landing - Ilford	64	Construction & Maintenance	$ 96,396.29
905	Cross Lake - Oxford House (km 64 - Hayes River Crossing)	92	Construction & Maintenance	131,036.26
906	Cross Lake - Oxford House (Hayes River Crossing - Jct. of Oxford House to Gods Lake Road)	50	Construction & Maintenance	90,347.75
907	Oxford House - km 36	36	Construction & Maintenance	63,962.75
908	South Bay - South Indian Lake	13	Construction & Maintenance	36,057.97
909	Cross Lake - km 64	64	Construction & Maintenance	116,098.59
910	Oxford House - Gods Lake Narrows (Across Gods Lake)	6	Construction & Maintenance	15,681.30
911	km 36 - Fuel Tanks at Gods Lake Narrows	49	Construction & Maintenance	87,401.37

Table No. C6

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 953	Hole River - Red Sucker Lake	846	Payment of Outstanding Invoice (15-8B-2) for 1981/82 Winter Road	$ 9,573.22
954	Hole River - Red Sucker Lake	831	Construction & Maintenance (15-8B-2)	1,403,682.32
				$2,050,237.82

Appropriation Summary

15-8B-1	636,982.28
15-8B-2	1,413,255.54
	$2,050,237.82

Table No. X1

SUMMARY OF CONSTRUCTION AND EXPENDITURES UNDER AIDS TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGE DISTRICTS, AIDS TO UNORGANIZED TERRITORIES AND DISORGANIZED MUNICIPALITIES

APPROPRIATION 15-5A & 8A

Appropriation	Miles of Grading	Gravelling	Regravelling	Paving	Lineal Feet of Culverts	Number of Bridges	Expenditure
15-8A Program 05C	1.0	3.1	11.7	11.0	487	-	$1,121,523.07
15-5A Program 05D 100%	17.0	16.0	833.1	-	1,616	2	1,737,866.75
15-5A Program 05D 50%	68.3	22.3	685.5	-	4,822	2	961,086.96
	86.3	41.4	1,530.3	11.0	6,925	4	3,820,481.78

15-5A Program 05D 100%	$1,737,866.75
15-5A Program 05D 50%	961,086.96
Total Expenditure Under 15-5A Program 05D	2,698,953.71

15-5A Program 05D 50%	$ 961,086.96
Total Expenditure Under 15-5A Program 05D	2,698,953.71
Total Expenditure Prior to Credits-05D	3,660,040.67

Total Expenditure Under 15-8A Program 05C $2,245,497.30

Table No. X2

AIDS TO CITIES, TOWNS, VILLAGES AND
UNINCORPORATED VILLAGE DISTRICTS

APPROPRIATION 15-8A Program 05C

Cities, Towns and Villages	Miles of Grading	Miles of Gravelling	Miles of Regravelling	Miles of Paving	Lin. Ft. No. of Culverts	Lin. Ft. No. of Bridges	Miscellaneous Work	Expenditure Total	Expenditure Government
Altona			0.8				Calcium Chloride 0.8 miles	$ 7,042.64	$ 3,521.32
Birtle							Calcium Chloride 1.2 miles Asphalt Surface Treatment 0.2 miles	9,102.94	4,551.47
Brandon				1.6			Curb & Gutter 0.6 miles	208,242.63	104,121.32
Carman	0.2			0.7			Base Course 0.2 miles Curb & Gutter 0.5 miles	142,896.19	71,448.10
Cartwright							Seal Coat 0.6 miles	18,799.25	9,399.63
Crystal City							Seal Coat 0.4 miles Base Course & Asphalt Surface Treatment 0.2 miles	11,925.68	5,962.84

Table No. X2

Cities, Towns and Villages	Miles of Grading	Miles of Gravelling	Miles of Regravelling	Miles of Paving	Lin. Ft. No. of Culverts	Lin. Ft. No. of Bridges	Miscellaneous Work	Expenditure Total	Expenditure Government
Dauphin				0.9			Base Course 0.1 miles Curb & Gutter 7,200 ft.	$182,384.85	$ 91,192.43
Deloraine							Base Course & Asphalt Surface Treatment 0.7 miles Seal Coat 0.1 miles Curb & Gutter 800 ft. Calcium Chloride 0.8 miles	96,651.86 1,542.76	48,325.91 771.38
Elkhorn			0.7				Calcium Chloride 0.7 miles	2,314.74	1,157.37
Erickson				0.4				27,174.47	13,587.24
Ethelbert							Calcium Chloride 0.5 miles	1,845.08	922.54
Garson				0.3			Base Course 0.3 miles	7,955.53	3,977.77
Gilbert Plains				0.8			Base Course 0.6 miles	76,480.07	38,240.03
Gladstone							Calcium Chloride 0.3 miles	555.00	277.50

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
Grandview							Base Course & Asphalt Surface Treatment 0.2 miles	$ 16,328.40	$ 8,164.20
Gretna		1.9					Dust Treatment 1.9 miles	7,957.55	3,978.78
Hamiota				0.1			Base Course 0.1 miles	30,257.17	15,128.59
Killarney							Seal Coat 0.2 miles	5,554.18	2,777.09
Manitou	0.2			0.2			Base Course 0.2 miles Curb & Gutter 0.2 miles	67,391.16	33,695.58
Melita				0.2			Seal Coat 0.2 miles Calcium Chloride 0.2 miles	8,320.52	4,160.26
Minitonas							Base Course & Asphalt Surface Treatment 0.2 miles	12,265.78	6,132.89
Morden			0.5	0.2			Dust Treatment 0.5 miles	35,149.73	17,574.87

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
Morris				0.3			Base Course 0.2 miles Curb & Gutter 0.2 miles	$ 77,539.64	$ 38,769.82
Niverville				1.2				10,553.00	5,276.50
Oak Lake							Base Course & Asphalt Surface Treatment 0.2 miles	32,302.60	16,151.30
Pilot Mound				0.2			Seal Coat 0.7 miles	27,845.68	13,922.84
Portage la Prairie				1.0			Base Course 0.1 miles Curb & Gutter 1.0 miles	190,204.48	95,102.24
Rapid City							Calcium Chloride 0.3 miles	320.77	160.39
Rivers							Seal Coat 1.3 miles	9,216.83	4,608.42
Rossburn							Asphalt Surface Treatment 0.2 miles	18,312.90	9,156.45

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
Russell							Base Course & Asphalt Surface Treatment 0.1 miles	$ 6,477.24	$ 3,238.62
							Calcium Chloride 0.9 miles	2,075.00	1,037.50
Ste. Anne				0.2			Base Course 0.2 miles	44,937.02	22,468.51
St. Claude			0.9				Dust Treatment 0.9 miles	3,426.34	1,713.17
Snow Lake							Calcium Chloride 0.8 miles	2,102.38	1,051.19
Steinbach			0.9	0.4			Calcium Chloride 1.7 miles Base Course 1.2 miles Curb & Gutter 0.9 miles	417,597.89	208,798.95
Thompson				0.1			Curb & Gutter 0.7 miles	28,314.15	13,795.00
Treherne	0.4			0.4	218		Base Course 0.4 miles	86,977.97	43,488.99
Virden				0.6			Base Course 0.6 miles Curb & Gutter 0.1 miles	21,886.58	10,943.29

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravelling	Regravelling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
Winkler			1.5				Dust Treatment 0.5 miles Calcium Chloride 1.0 miles	$ 7,770.12	$ 3,885.06
Winnipegosis							Asphalt Surface Treatment 0.6 miles	8,398.05	4,199.02
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Argyle Baldur							Curb & Gutter 300 ft.	2,545.21	1,272.61
R.M. Birtle Foxwarren							Calcium Chloride 0.1 miles Asphalt Surface Treatment 0.3 miles	3,401.31	1,700.65
R.M. of Cameron Lauder							Calcium Chloride 0.5 miles	512.03	256.01
R.M. Cartier Elie		0.4		0.2			Base Course 0.5 miles Calcium Chloride 0.2 miles	34,407.04	17,203.53

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Coldwell									
Lundar					92		Base Course & Asphalt Surface Treatment 0.2 miles	$ 16,307.45	$ 8,153.73
R.M. of De Salaberry									
Otterburne							Calcium Chloride 0.8 miles	418.72	209.36
R.M. of Dufferin									
Graysville			0.3				Calcium Chloride 0.3 miles	964.02	482.01
R.M. of Edward									
Lyleton							Calcium Chloride 0.3 miles	407.27	203.64
Pierson							Calcium Chloride 0.3 miles	509.00	254.50
R.M. of Franklin									
Dominion City	0.2				177		Base Course 0.2 miles	29,747.15	14,873.57
Arnaud							Asphalt Surface Treatment 0.3 miles	4,435.19	2,217.60

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Gimli									
South Beach							Dust Treatment 0.7 miles	$ 7,578.41	$ 3,789.21
R.M. of Glenella									
Glenella			1.0				Calcium Chloride 1.0 miles	2,146.99	1,073.49
R.M. of Grey									
Elm Creek			0.5				Calcium Chloride 0.5 miles	3,640.38	1,820.19
Haywood			0.5				Calcium Chloride 0.5 miles	2,238.88	1,119.44
R.M. of Hanover									
Mitchell							Base Course 0.4 miles Asphalt Surface Treatment 0.3 miles	19,591.43	9,795.72
R.M. of Harrison									
Newdale							Calcium Chloride 0.4 miles	431.90	215.95
Sandy Lake							Dust Treatment 0.5 miles	684.00	342.00
R.M. of Lawrence									
Rorketon							Calcium Chloride 2.0 miles	5,395.25	2,697.63

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. Culverts	No. of Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of MacDonald Oak Bluff							Base Course & Asphalt Surface Treatment 0.2 miles	$ 11,190.46	$ 5,595.23
R.M. of Minto Bethany							Calcium Chloride 0.3 miles	527.43	263.72
R.M. of Montcalm St. Jean-Baptiste		0.3					Calcium Chloride 0.3 miles	960.70	480.35
R.M. of Morris Sperling			0.5				Calcium Chloride 0.5 miles	2,035.34	1,017.67
R.M. of North Norfolk Austin							Calcium Chloride 1.0 miles	1,463.29	731.65
R.M. of Ochre River Ochre River		0.5					Calcium Chloride 0.5 miles	984.94	492.47

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravelling	Regravelling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Pembina									
Darlingford				0.2				$ 19,272.00	$ 9,000.00
La Riviere				0.1				10,892.00	5,446.00
R.M. of Ritchot									
Ste. Agathe				0.1			Dust Treatment 0.2 miles Base Course 0.1 miles	9,057.97	4,528.99
R.M. of Rockwood									
Stony Mountain				0.2				18,001.78	9,000.89
R.M. of Roland									
Roland			0.9				Calcium Chloride 0.9 miles	3,926.48	1,963.24
R.M. of St. Clements									
East Selkirk							Base Course & Asphalt Surface Treatment 0.6 miles	22,902.64	11,407.46
R.M. of Saskatchewan									
Basswood							Calcium Chloride 0.2 miles	324.98	162.49

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Silver Creek									
Angusville							Calcium Chloride 0.9 miles	$ 900.00	$ 450.00
R.M. of South Norfolk									
Rathwell			0.9				Calcium Chloride 0.9 miles	2,688.51	1,344.26
R.M. of Strathclair									
Elphinstone							Asphalt Surface Treatment 0.2 miles	3,976.25	1,988.13
R.M. of Strathcona									
Belmont							Seal Coat 0.2 miles	995.60	497.80
R.M. of Thompson									
Miami			0.8				Calcium Chloride 0.8 miles	2,669.32	1,334.66
Rosebank			0.2				Calcium Chloride 0.2 miles	560.19	280.10
R.M. of Victoria									
Cypress River				0.2				9,000.00	4,500.00
Holland							Calcium Chloride 0.5 miles	1,157.47	400.00

Table No. X2

Cities, Towns and Villages	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNINCORPORATED VILLAGE DISTRICTS									
R.M. of Whitehead Alexander			0.8				Calcium Chloride 0.8 miles	$ 2,147.50	$ 1,073.75
R.M. of Woodlands Warren				0.2				10,104.00	5,052.00
	1.0	3.1	11.7	11.0	487			$2,245,497.30	$1,121,528.07

Table No. X3

WORKS AND ROADS IN UNORGANIZED TERRITORY AND DISORGANIZED MUNICIPALITIES
APPROPRIATION 15-5A PROGRAM 05D

Territory	Miles of Grading	Miles of Gravelling	Miles of Regravelling	Miles of Paving	Lin. Ft. Culverts	No. of Bridges	Miscellaneous Work	Expenditure Total	Expenditure Government
UNORGANIZED									
Birch River			31.5		28		Dragging & General Repairs	$ 37,945.83	$ 37,945.83
Dauphin			12.0				Dragging & General Repairs	10,000.00	10,000.00
Dauphin-Ste. Rose						2		4,941.80	4,941.80
Emerson			39.0				Dragging & General Repairs	50,150.95	50,150.95
Gimli	1.0	1.0	10.0		192		Dragging & General Repairs Brushing 7.0 Acres	29,583.26	29,583.26
Interlake	5.5	5.5	121.0		928		Dragging & General Repairs Brushing 30.0 Acres	401,457.47	401,457.47

Table No. X3

Territory	Miles of Grading	Miles of Gravelling	Miles of Regravelling	Miles of Paving	Lin. Ft. No. of Culverts	Lin. Ft. No. of Bridges	Miscellaneous Work	Expenditure Total	Expenditure Government
UNORGANIZED									
La Verendrye			10.0				Dragging & General Repairs	$ 13,123.15	$ 13,123.15
Lac du Bonnet			39.0				Dragging & General Repairs Brushing 9.0 Acres	61,642.04	61,642.04
Lakeside	2.5	2.5	10.0		262		Dragging & General Repairs Brushing 11.0 Acres	75,102.86	75,102.86
Minnedosa	1.0	1.0	26.0				Dragging & General Repairs	60,966.29	60,966.29
Piney			76.0		178		Dragging & General Repairs	77,408.67	77,408.67
Roblin-Russell	0.5	0.5	61.0				Dragging & General Repairs Brushing 8.5 Acres	79,190.80	79,190.80
Roblin-Russell -Swan River							Bridge Repairs	5,331.45	5,331.45

Table No. X3

Territory	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
UNORGANIZED									
Rupertsland			15.0				Dragging & General Repairs Brushing 7.0 Acres	$ 30,924.79	$ 30,924.79
Springfield	1.0		15.1				Dragging & General Repairs Brushing 5.0 Acres	24,066.65	24,066.65
Ste. Rose	4.5	4.5	56.0				Dragging & General Repairs	262,201.14	262,201.14
Stuartburn	1.0	1.0	66.5		28		Dragging & General Repairs Drainage Cleanout 1.0 miles	79,260.54	79,260.54
Swan River			142.0				Dragging & General Repairs Brushing 6.0 Acres	115,165.37	115,165.37
Swan River - The Pas			20.0				Dragging & General Repairs	17,864.35	17,864.35

Table No. X3

Territory	Miles of Grading	Gravelling	Regravelling	Paving	Lin. Ft. Culverts	No. of Bridges	Miscellaneous Work	Expenditure Total	Expenditure Government
UNORGANIZED									
The Pas			83.0				Dragging & General Repairs	$102,868.95	$102,868.95
Snowplowing - School Division Bus Routes								198,670.39	198,670.39
	17.0	16.0	833.1		1,616	2		$1,737,866.75	$1,737,866.75

Table No. X4

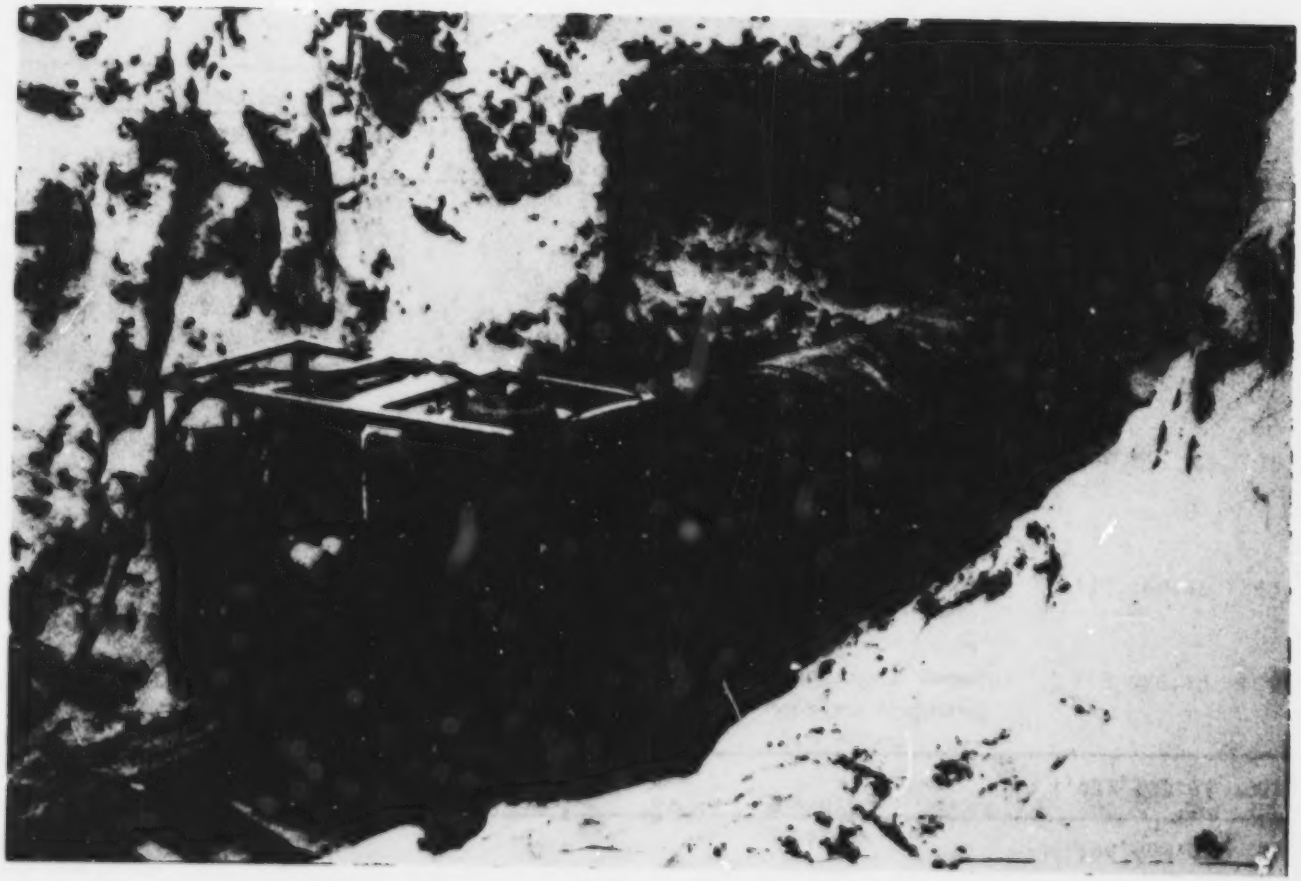
Territory	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. No. of Culverts	Bridges	Miscellaneous Work	Expenditure Total	Government
LOCAL GOVERNMENT DISTRICT									
Alexander	1.5		1.0		272		Dragging & General Repairs Brushing 6.0 Acres Seal Coat 1.0 miles	$114,395.68	$ 57,197.84
Alonsa	4.0		60.0				Dragging & General Repairs Brushing 31.0 Acres	154,684.42	77,342.21
Armstrong	5.5	5.5	48.0		426		Dragging & General Repairs	109,605.06	54,802.53
Churchill			1.0				Dragging & General Repairs	12,500.00	6,250.00
Consol	0.5	0.5	32.0				Dragging & General Repairs	84,279.97	42,139.98
Fisher	13.5				668		Dragging & General Repairs Brushing	183,990.75	91,995.38
Grahamdale	7.0	7.0	32.0		498		Dragging & General Repairs Brushing 25.0 Acres	179,581.80	89,790.90

Table No. X4

Territory	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. Culverts	No. of Bridges	Miscellaneous Work	Expenditure Total	Government
LOCAL GOVERNMENT DISTRICT									
Grand Rapids	0.3	0.3	1.0		64		Dragging & General Repairs	7,884.73	3,942.37
Mountain	8.0		137.0		416	2	Dragging & General Repairs Brushing 15.0 Acres	$227,209.08	$113,604.54
Park	4.0	1.0	133.0		36		Dragging & General Repairs Brushing 5.0 Acres	150,611.22	75,305.62
Piney	8.5	2.0	43.0		902		Dragging & General Repairs	170,160.46	85,080.24
Reynolds	8.5	1.5	107.0		580		Dragging & General Repairs Brushing 10.0 Acres	218,926.15	109,463.09
Stuartburn	6.0	3.5	67.0		882		Dragging & General Repairs	168,727.46	84,363.74
Residents & Miscellaneous	1.0	1.0	23.5		78		Dragging & General Repairs	32,955.04	16,477.51

Table No. X4

Territory	Miles of Grading	Gravel-ling	Regravel-ling	Paving	Lin. Ft. Culverts	No. of Bridges	Miscellaneous Work	Expenditure Total	Government
LOCAL GOVERNMENT DISTRICT									
Snowplowing - Various	50/50 basis							106,662.02	53,331.01
	68.3	22.3	685.5		4,822	2		1,922,173.84	961,086.96



Special Equipment tunnelling a 1200 mm concrete pipe under P.T.H. No. 10, south of Boissevain

MAINTENANCE

Highway maintenance is generally thought of as repairing the road surface in the summer and plowing the roads in the winter. Although there is much more to highway maintenance, a distinct split between the summer and winter seasons does exist.

Summer maintenance is divided according to the following:

General Maintenance includes all predictable maintenance to the road surface, right-of-way, bridges, sign installations and maintenance yards.

Special Projects cover planned work that is over and above general maintenance. Some examples are seal coats, heavy bituminous repairs, additional traffic gravel, rout & crackfill asphaltic pavements, concrete repair, shoulder restoration and mechanical brushing.

Contingency Work Orders cover unforseen expenditures which are more than general maintenance and which were not planned as special projects. For example, the asphalt surface that unpredictably breaks up in the spring, culverts that are washed out due to heavy run off, or gravel roads that require additional traffic gravel due to long rainy periods.

Stop Gap Work Orders are used for unforseen maintenance such as minor grading and gravelling, drainage problems, heavy grade repair and removal of drift soil.

Bridge Maintenance work orders include major repairs to bridge decks and superstructures, and repainting bridge girders and guard rail on Provincial Trunk Highway bridges. Routine bridge maintenance is included in the general maintenance budget.

Traffic Control includes pavement markings, railway crossing maintenance, traffic signals, highway illumination and special sign installations.

Maintenance Management section is responsible for maintaining a reporting system for maintenance expenditures, developing a performance budget based on work activities. Feature inventories and standard planning values assist management in planning and controlling maintenance operations. Developing new methods and training maintenance personnel is also a function of maintenance management.

Personnel safety as with other sections of the department is a year round activity.

Winter Maintenance includes all types of work required to maintain the highway system to the winter levels of service as set out in the performance standards. Some of the activities are snow plowing, snow removal, spot sanding, spreading snow melters, erecting snow fences, stockpiling winter sand and snow plow dispatching.

The following list indicates the units accomplished or man hours used on major maintenance activities.

a) Summer

Premix Patching	64,746	cubic yards
Spray Patching	245,623	gallons
Seal Coat	781	lane miles
Dragging Gravel Roads	298,083	pass miles*
Dust Control	2,815	tons calcium chloride
Drag Shoulders	22,296	shoulder miles
Mowing	95,257	acres
Sign Maintenance	38,652	man hours
Erecting New Signs	32,144	square feet

b) Winter

Snow Plowing	404,060	pass miles*
Snow Clean-up	31,432	man hours
Spot Sanding	42,003	cubic yards
Spreading Chemical	78,835	pass miles*
Erect Snow Fence	7,597	100 foot rolls
Stockpile Winter Sand	66,736	cubic yards
Winter Stand-by	39,221	man hours

*Note: Pass miles means the actual number of machine miles travelled to do the work and is not the same as miles of highway.

Table No. M1

MAINTENANCE CONTINGENCIES
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-4A

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1	650	Mechanical Brushing, Brokenhead River - East District Boundary, L.G.D. of Reynolds	4.0						$ 4,143.99
	653	Purchase and Installation of Traffic Control Sign, Brandon By-Pass at Assiniboine River, R.M. of Whitehead							7,896.55
	654	Bituminous Repairs, East Bound Lanes, (P.R. No. 308 - East District Boundary), L.G.D. of Reynolds							28,998.74
	683	Construction of Traffic Inspection Lane for East Bound Traffic, Vicinity of Virden, R.M. of Wallace	0.1						25,194.88
	684	Construction of Traffic Inspection Lane for West Bound Traffic, Vicinity of Kemnay, R.M. of Whitehead	0.2						22,668.05

Table No. M1

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
1	689	Shoulder Repairs, West Bound Lanes, R.M. of Whitehead	5.0						$ 9,673.75
	708	Clean-Up Right-of-Way, Vicinity of Richer Tower, L.G.D. of Reynolds & Sandilands Forest Reserve							213.04
1 & 44	698	Hand Brushing, Various Locations, E.D. of Springfield							10,763.34
1 & 307	694	Mechanical Brushing, Various Locations, Whiteshell Provincial Park							7,043.06
2	672	Frost Boil Repairs, P.T.H. No. 18, P.T.H. No. 10, R.M. of Oakland	16.0						25,312.46
	706	Guard Rail Installation, La Salle River Bridge on P.T.H. No. 2 North of Section 19-9-1W.							6,259.62

Table No. M1

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
3	887	Bituminous Repairs, P.T.H. No. 18 - P.T.H. No. 10, R.M. of Turtle Mountain & Morton							$ 40,735.03
3 & 100	662	Bituminous Surfacing, Oak Bluff Area, R.M. of MacDonald							30,522.63
5	667	Base, Sub Grade & Bituminous Repairs, Various Locations, P.R. No. 253 - P.T.H. No. 23, R.M. of Argyle	0.7						39,729.48
	688	Construction of Traffic Inspection Lane, Northeast Section 6-26-28W., R.M. of Shell River							28,403.53
	712	Roadside Clean-Up and Mechanical Brushing, Various Locations, Various Municipalities							3,974.34
5 & 34	671	Frost Boil Repairs, R.M. of North Cypress & Victoria	14.0						6,055.98

Table No. M1

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
6	709	Roadside Clean-Up and Brushing, Grand Rapids Southerly, Unorganized Territory							$ 3,692.40
10	678	Sealcoating, Various Locations, Vicinity of P.R. No. 282 - North End of Bog, Unorganized Territory	4.0				4.0 (Seal Coat)		41,582.73
12	655	Concrete Repairs, Seine River Diversion - Steinbach, R.M. of Hanover & Ste. Anne							23,298.88
21	691	Bituminous Repairs, United States Border - South Jct. P.T.H. No. 3, R.M. of Winchester	13.9						10,053.44
34	690	Bituminous Repairs, P.T.H. No. 2 - North District Boundary, R.M. of Victoria	14.6						29,494.64

Table No. M1

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
34	693	Bituminous Repairs, P.T.H. No. 1 - South District Boundary, R.M. of North Norfolk	11.0						$ 18,966.17
41	686	Bituminous Repairs, P.T.H. No. 1 - North District Boundary, R.M. of Wallace & Archie	20.6						11,126.51
75	676	Grade Repairs, Vicinity of P.R. No. 205, R.M. of Morris							2,589.31
Headingley Scale	656	Weigh Scale Repairs							18,679.23
West Hawk Lake Scale	666	Parking Area Improvements, Whiteshell Provincial Park							4,490.70
	668	Weigh Scale Repairs, Whiteshell Provincial Park							5,879.38
Various	657	Mobilization of Two Seal Coat Crews							12,423.37

Table No. M1

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Various	660	Repair of Deflection Equipment							$ 5,870.60
	675	Drift Soil Removal, Various Highways, Various Municipalities							16,722.67
	677	Weed Control, Various Highways, L.G.D. of Stuartburn & Piney							5,386.80
	682	Weed Control on Abandoned Railway Right-of-Way							1,323.86
	697	Drift Soil Removal, Various Highways, Various Municipalities	5.3						13,686.06
	703	Roadside Clean-Up, Various Highways, R.M. of Minitonas & Swan River							8,464.09
	721	Weigh Scale Certification							4,305.66
	722	Purchase of Four Mobile Storage Tanks							21,200.00
		Bridge Projects (For details see Table No. B1)							27,173.76
							*4.0		$583,998.73

*Seal Coat

Table No. M2

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-4A

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
1	516	Sealcoating, Virden - Elkhorn, R.M. of Wallace	20.0				20.0 (Seal Coat)		$214,160.37
	528	Bituminous Repairs, Virden - Elkhorn, R.M. of Wallace	20.0						46,691.89
	543	Concrete Repairs, Norquay Park - P.R. No. 331, R.M. of Portage la Prairie	9.0						17,515.20
	544	Concrete Repairs, East Side Portage la Prairie - P.T.H. No. 16, R.M. of Portage la Prairie	17.5						26,845.87
	559	Shoulder Repairs, Westbound Lanes, P.R. No. 207 - P.T.H. No. 12, R.M. of Tache & Ste. Anne	19.5						17,350.49
	563	Asphalt Repairs, Dufresne - P.T.H. No. 12, Eastbound Lanes, R.M. of Ste. Anne & Tache	4.0						11,740.34

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Concrete	Expenditure
1	606	Bituminous Repairs, P.R. No. 332 - P.R. No. 331, Westbound Lanes, R.M. of Cartier & Portage la Prairie	12.0						$ 21,211.65
	607	Bituminous Repairs, Vicinity of P.T.H. No. 11 - P.R. No. 308, L.G.D. of Reynolds	13.7						3,844.55
	613	Concrete Repairs, East Side Portage la Prairie - P.T.H. No. 16, R.M. of Portage la Prairie	14.0						14,510.64
2	584	Sealcoating, P.R. No. 244 - West District Boundary - Rathwell Access & Treherne Access, R.M. of South Norfolk	12.5				12.5 (Seal Coat)		119,896.49
	601	Concrete Repairs, Starbuck - Elm Creek, R.M. of MacDonald & Grey	19.8						12,117.58
3	574	Sealcoating, P.T.H. No. 3A - East District Boundary, R.M. of Louise	18.3				18.3 (Seal Coat)		170,501.10

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
3	581	Sealcoating, Manitou - West District Boundary, R.M. of Pembina	8.0				8.0 (Seal Coat)		$ 82,314.82
	586	Concrete Repairs, Homewood - Carman, R.M. of Dufferin	6.0						20,998.78
	587	Shoulder Repairs, Vicinity of Sanford, R.M. of MacDonald	4.0						28,706.32
	589	Concrete Repairs, Oak Bluff - Homewood, R.M. of MacDonald, Morris & Dufferin	33.0						26,700.51
3A	575	Sealcoating, North Jct. P.T.H. No. 3 - South Jct. P.T.H. No. 3, R.M. of Louise	7.0				7.0 (Seal Coat)		74,125.63
5	600	Sealcoating, Service Road, Vicinity of Dauphin Mall, R.M. of Dauphin	0.5				0.5 (Seal Coat)		12,367.17

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
5 & Neepawa Access	570	Sealcoating, West Jct. P.T.H. No. 16 - North Jct. P.R. No. 265, R.M. of Rosedale & Town of Neepawa	11.4				11.4 (Seal Coat)		$112,610.13
6	529	Bituminous Repairs, Grand Rapids Northerly, Unorganized Territory, Electoral District of The Pas	23.0						14,003.56
	596	Bituminous Repairs, Vicinity of Minago River, Unorganized Territory							29,767.61
7	546	Bituminous Repairs, P.R. No. 517 - P.R. No. 229, R.M. of Rockwood	18.0						102,692.09
	591	Sealcoating, P.T.H. No. 68 - South Jct. P.R. No. 231, R.M. of Bifrost, L.G.D. of Armstrong	18.5				18.5 (Seal Coat)		161,265.04
8	602	Bituminous Repairs, P.R. No. 230 - P.R. No. 229, R.M. of St. Andrews	30.0						58,247.87

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
10	533	Bituminous Repairs, Various Locations, Cranberry Portage - Flin Flon, Unorganized Territory							$ 19,126.62
	534	Shoulder Repairs, Cranberry Portage - Flin Flon, Unorganized Territory							6,611.88
10A	579	Sealcoating, Town of Swan River - North Jct. P.T.H. No. 10, R.M. of Swan River	2.6				2.6 (Seal Coat)		24,759.07
11	608	Bituminous Repairs, P.T.H. No. 1 - P.R. No. 506, L.G.D. of Reynolds	10.2						19,018.91
12	527	Sealcoating, P.T.H. No. 59 - P.R. No. 317, R.M. of St. Clements & L.G.D. of Alexander	13.0				13.0 (Seal Coat)		119,000.09
13	548	Bituminous Repairs, P.T.H. No. 1 - Vicinity of North District Boundary, R.M. of Portage la Prairie	9.0						30,264.52

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
15	522	Sealcoating, Elma Westerly, R.M. of Whitemouth	1.5				1.5 (Seal Coat)		$ 17,969.35
16	520	Erosion Control, Vicinity of Assiniboine Valley, R.M. of Russell							11,151.20
	545	Bituminous Repairs, P.T.H. No. 1 - P.T.H. No. 50, R.M. of Portage la Prairie, Westbourne	17.5						19,443.89
24	555	Bituminous Repairs, P.T.H. No. 21 - P.R. No. 254, R.M. of Miniota & Hamiota							39,803.77
25	518	Sealcoating, P.T.H. No. 10 - P.R. No. 259, R.M. of Elton & Daly	17.5				17.5 (Seal Coat)		153,293.36
32	590	Shoulder Repairs, Winkler Southerly, R.M. of Stanley	3.0						18,090.60

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
44	523	Bituminous Repairs, P.R. No. 307 - Whitemouth, L.G.D. of Reynolds & R.M. of Whitemouth	19.1						$ 28,398.95
	524	Bituminous Repairs, P.R. No. 301 - P.R. No. 307, Whiteshell Provincial Park	18.9						25,188.07
50	507	Sealcoating, Vicinity of P.T.H. No. 5 Easterly, R.M. of McCreary	6.5				6.5 (Seal Coat)		54,947.96
59	609	Bituminous Repairs, P.T.H. No. 52 - Seine River Diversion Bridge, R.M. of Hanover, Tache & Ritchot	11.5						22,933.31
68	592	Sealcoating, P.R. No. 228 - P.R. No. 512, L.G.D. of Fisher	13.0				13.0 (Seal Coat)		91,350.70
75	564	Bituminous Repairs, Ste. Agathe - Morris, R.M. of Ritchot and Morris	14.0						79,441.29

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
75 & 29	500	Maintenance of Roadside Park and Landscaped Areas, Vicinity of Emerson							$ 13,977.16
100	537	Concrete Repairs, P.R. No. 200 - P.R. No. 300, City of Winnipeg							104,628.75
	539	Concrete Repairs, P.T.H. No. 3 - P.R. No. 241, R.M. of MacDonald, City of Winnipeg							122,957.17
	604	Concrete Repairs, Various Locations, Various Municipalities							36,983.44
101	538	Concrete Repairs, P.T.H. No. 6 - P.T.H. No. 8, R.M. of Rosser and West St. Paul							29,202.14
Various	530	Mechanical Brushing, Various Highways, Various Municipalities							12,154.44

Table No. M2

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
Various	535	Bituminous Shoulder Repairs, Various Highways, Various Municipalities							$ 54,410.38
	536	Concrete Repairs, Various Highways, City of Winnipeg, R.M. of Springfield & MacDonald							31,002.16
	540	Bituminous Repairs, Various Highways, Winnipeg Area, Various Municipalities							147,939.56
	542	Sealcoating, Various Highways, R.M. of Rockwood and Woodlands	17.3				17.3 (Seal Coat)		196,001.50
	552	Stone Removal, Various Locations, Various Municipalities							12,111.15
	571	Sealcoating, Various Highways, Various Municipalities	6.0				6.0 (Seal Coat)		51,147.93
	577	Sealcoating, Various Highways R.M. of Swan River, Duck Mountain Provincial Park & L.G.D. of Park	31.1				31.1 (Seal Coat)		221,458.14

Table No. M2

Highway No.	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Concrete Expenditure
Various	588	Sealcoating, Various Locations, R.M. of Stanley & Rhineland	23.0				23.0 (Seal Coat)	$217,826.83
	630	Mobilization of Concrete Repair Crews						67,914.85
							*227.7	$3,500,694.84

* Seal Coat

Table No. M3

MAINTENANCE STOP GAP
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-4A

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
11	752	Drainage Improvements, River Lot 16-18-10E., L.G.D. of Alexander							$ 1,523.46
	759	Cleaning Drainage Offtake, Section 21-17-11E., L.G.D. of Alexander							6,423.15
Various	753	Roadside Clean-up, Various Highways, Various Municipalities							4,220.62
									$ 12,167.23

Table No. M4

MAINTENANCE CONTINGENCIES
PROVINCIAL ROADS
APPROPRIATION 15-4A

Highway No.	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
204	664	Bituminous Shoulder Repairs, P.R. No. 401 Northerly, R.M. of East St. Paul & St. Clements	5.0						$ 25,687.91
205	705	Clean Up Right-of-Way, Vicinity of Grunthal, R.M. of Hanover							4,608.72
228	659	Stabilizing Gravel & Bituminous Repairs, Teulon - Inwood, R.M. of Rockwood							39,849.38
254 & 259	685	Bituminous Repairs, P.T.H. No. 21 - South Jct. P.R. No. 254 & P.R. No. 259, R.M. of Woodworth	14.0						19,498.23

Table No. M4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
282	658	Stabilizing & Gravelling, P.T.H. No. 10 - P.R. No. 283, L.G.D. of Consol	7.0		7.0				$ 16,970.50
314	681	Hand & Mechanical Brushing, Cat Lake - Beresford Access, Nopiming Provincial Park							17,361.76
315 & 433	695	Gravelling, Various Locations, R.M. of Lac du Bonnet & L.G.D. of Alexander							11,041.96
344	673	Frost Boil Repairs, Wawanesa - P.R. No. 443, R.M. of Oakland	14.0						8,353.82
345	692	Bituminous Repairs, P.T.H. No. 21 - East Jct. P.R. No. 254, R.M. of Cameron	7.0						12,433.33
357	669	Bituminous Repairs, P.T.H. No. 5 - P.R. No. 562, R.M. of Rosedale	9.0						4,847.23

Table No. M4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
395	674	Chemical Brush Control, Various Locations							$ 7,833.07
434	663	Bituminous Repairs, P.T.H. No. 3 - Lake Minnewasta, R.M. of Stanley	1.3						11,740.28
478 & 579	717	Clean Up and Disposal of Brush Piles, Various Locations, R.M. of Russell & Silver Creek							6,036.00
Morris Yard	651	Calcium Chloride Storage Shed Improvements, R.M. of Morris							6,231.65
Steinbach Yard	661	Installation of 2 Underground Fuel Storage Tanks & Concrete Pad, R.M. of Hanover							6,911.93
Miller Road Yard	670	Sodium Chloride Storage Bin Repairs, R.M. of West St. Paul							2,100.16

Table No. M4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Minitonas Access	679	Shoulder Repairs and Drainage Improvements, Village of Minitonas	0.1						$ 3,413.23
Bissett Yard	680	Construction of Security Fencing, Snowplow Shed Improvements, E.D. of Rupertsland							4,902.45
Carman Yard	699	Install 3 Fuel Storage Tanks & 2 Fuel Distribution Pumps, R.M. of Dufferin							8,202.97
Gimli Yard	700	Construct Concrete Foundation Slab & Storage Building & Install Related Electrical Service, L.G.D. of Armstrong							4,847.34
St. Norbert Yard	701	Clean Up & Improvements, City of Winnipeg							29,072.40
Sanford Yard	702	Stockpiling Crushed Limestone, R.M. of MacDonald							61,911.09

Table No. M4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Carman & Manitou Yard	707	Purchase Water Storage Tanks, R.M. of Dufferin & Pembina							$ 2,704.59
Boissevain Yard	719	Install Additional Insulation, Boissevain Shop Building, Town of Boissevain							1,499.49
Kelsey Boulevard	723	Bituminous Repairs and Brushing - Bernier Street - Airport Terminal, L.G.D. of Churchill	2.6						9,140.96
Various Yards	665	Insulating Asphalt Storage Tanks, Various Locations, R.M. of Pipestone, Wallace & Daly							930.64
	704	Construction & Repairs of Sodium Chloride Storage Bins, Various Municipalities							7,164.37
	716	Construction of Salt Bins & Covers, R.M. of Swan River & L.G.D. of Mountain							22,517.70

Table No. M4

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
Various	696	Gravelling, Various Locations, R.M. of Portage la Prairie	8.0		8.0				$ 10,183.65
	710	Roadside Clean Up, Various Locations, R.M. of Bifrost							12,237.64
	711	Roadside Clean Up and Brushing, Various Locations, R.M. of St. Laurent & Coldwell							7,963.70
	713	Roadside Clean Up & Mechanical Brushing, Various Locations, Various Municipalities							29,975.01
	715	Mechanical Brushing, Various Highways, Various Municipalities							10,357.76
					15.0				$428,530.92

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL ROADS
APPROPRIATION 15-4A

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
200	612	Concrete Repairs, Vicinity of Inlet Structure Road, R.M. of Ritchot							$ 9,380.46
201	560	Bituminous Repairs, P.R. No. 219 - P.T.H. No. 75, R.M. of Franklin & Montcalm	13.5						18,300.29
204	605	Sealcoating, P.T.H. No. 44 - Red River	6.8				6.8 (Seal Coat)		70,709.37
205	557	Sealcoating, P.T.H. No. 12 - North Junction P.R. No. 216, R.M. of Hanover	10.0				10.0 (Seal Coat)		79,963.33
205, 206 & 52	561	Bituminous Repairs, Various Locations, R.M. of Hanover & De Salaberry	23.5						47,408.35

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
206, 311 & 12	562	Bituminous Repairs, Various Locations, R.M. of Hanover & Tache	20.9						$ 27,131.50
216	558	Sealcoating, P.T.H. No. 52 - North Junction P.R. No. 205 & South Junction P.R. No. 205 - P.T.H. No. 59, R.M. of Hanover	16.5				16.5 (Seal Coat)		139,885.30
224	566	Bituminous Repairs, P.R. No. 325 - Fisher Bay, Peguis Indian Reserve, Fisher River Indian Reserve & Unorganized Territory	28.0						58,650.55
228	594	Bituminous Repairs, P.R. No. 229 - P.T.H. No. 68, L.G.D. of Armstrong & Fisher	30.6						72,532.21
231	593	Sealcoating, P.T.H. No. 8 - P.T.H. No. 7, R.M. of Gimli & L.G.D. of Armstrong	9.2				9.2 (Seal Coat)		72,256.54

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
233	595	Gravelling, Hecla Island Provincial Park, Unorganized Territory	18.0		18.0				$ 20,000.00
233 & 234	565	Bituminous Repairs, Riverton - Hecla Park Gate, R.M. of Bifrost & Unorganized Territory							34,828.96
235	511	Bituminous Repairs, Lake Manitoba Narrows Westerly, L.G.D. of Alonsa	21.0						146,412.23
241 & 248	547	Bituminous Repairs, Various Locations, R.M. of Cartier	9.0						23,752.14
244 & 333	582	Gravelling, Various Locations, R.M. of South Norfolk, Pembina & Thompson	16.0		16.0				9,821.39
247 & 248	583	Gravelling, Various Locations, R.M. of Grey & Dufferin	20.0		20.0				17,499.97

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
250	504	Bituminous Repairs, P.T.H. No. 2 - P.R. No. 349, Town of Souris, R.M. of Glenwood & Whitehead	8.0						$ 15,272.99
	568	Bituminous Repairs, P.T.H. No. 24 - South District Boundary, R.M. of Blanshard	5.1						20,422.06
250 & Rivers Access	517	Sealcoating, P.T.H. No. 25 Southerly, Rivers Camp Road & Rivers Access, Town of Rivers & R.M. of Daly	11.5				11.5 (Seal Coat)		74,444.63
254 & 577	554	Sealcoating, Various Locations, R.M. of Rossburn	8.0				8.0 (Seal Coat)		70,817.24
256	572	Sealcoating, U.S. Border - P.T.H. No. 3, R.M. of Edward	18.3				18.3 (Seal Coat)		130,050.59
257	519	Bituminous Repairs, P.T.H. No. 1 - Saskatchewan Boundary, R.M. of Wallace	23.0						36,146.17

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
262	569	Sealcoating, C.P.R. Crossing - North Boundary U.V.D. of Clanwilliam, Town of Minnedosa & R.M. of Clanwilliam	8.7				8.7 (Seal Coat)		$100,454.89
268	610	Sealcoating, Lenswood - Eastern Limit of Birch River, L.G.D. of Mountain	11.1				11.1 (Seal Coat)		112,018.10
274	512	Subgrade & Bituminous Repairs, P.T.H. No. 5 Southerly, R.M. of Gilbert Plains	7.5						25,578.60
276	513	Bituminous Repairs, Vicinity of P.T.H. No. 5 - P.R. No. 480, R.M. of St. Rose & Lawrence	8.0						20,682.94
279	611	Sealcoating, P.T.H. No. 10 - P.R. No. 588, R.M. of Swan River	6.1				6.1 (Seal Coat)		41,701.36
304	526	Bituminous Repairs, P.T.H. No. 11 - O'Hanley River, Rupertsland Unorganized							15,025.33

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
307	525	Bituminous Repairs, P.T.H. No. 44 - Otter Falls, Whiteshell Provincial Park							$ 18,983.99
308, Access Roads	556	Sealcoating, P.T.H. No. 12 Northerly, South Junction Access & Vassar Access, L.G.D. of Piney & N.W. Angle Forest Reserve	17.5				17.5 (Seal Coat)		138,222.00
317	603	Sealcoating, Various Locations, P.T.H. No. 12 - P.T.H. No. 11, R.M. of St. Clements, Brokenhead & Lac du Bonnet	10.0				10.0 (Seal Coat)		164,574.95
330	585	Bituminous Repairs, La Salle - Domain, R.M. of MacDonald	6.0						15,445.94
353	503	Sealcoating, Brookdale - Easterly, R.M. of North Cypress	7.0				7.0 (Seal Coat)		68,059.90

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
361	508	Sealcoating, P.T.H. No. 50 - East Boundary Riding Mountain National Park, R.M. of McCreary	4.1				4.1 (Seal Coat)		$ 32,308.37
362	515	Bituminous Repairs, P.T.H. No. 5 - P.R. No. 267, R.M. of Dauphin							9,035.72
366	510	Culvert Repairs, Vicinity of Section 31-22-27W., R.M. of Boulton							12,392.21
391	598	Bituminous Repairs, Leaf Rapids - Lynn Lake, Unorganized Territory	65.0						33,763.85
	599	Bituminous Repairs, Mitishto River - Thompson Airport, Unorganized Territory, L.G.D. of Mystery Lake							23,297.09
394	597	General Maintenance, Vanderkerckhove - Co-op Point, Unorganized Territory	31.0						7,500.00

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
421	580	Sealcoating, P.T.H. No. 30 - P.R. No. 522, R.M. of Montcalm	8.0				8.0 (Seal Coat)		$ 77,289.54
464	505	Stabilizing Gravel, P.T.H. No. 1 Northerly, R.M. of North Cypress	4.0						10,169.98
488	578	Grade Repairs & Gravelling, Various Locations, R.M. of Minitonas	1.0		1.0				7,747.11
588	576	Gravelling, P.T.H. No. 83 - P.R. No. 279, R.M. of Swan River	25.2		25.2				3,240.50
Man-For Access	532	Bituminous Repairs, Various Locations, Unorganized Territory	3.0						5,352.24
St. Laurent Access	567	Bituminous Repairs, R.M. of St. Laurent	4.8						9,992.78

Table No. M5

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravelling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
Hadashville Yard	502	Maintenance Yard Improvements, L.G.D. of Reynolds							$ 1,001.11
Grand Beach Yard	521	Construction of Salt Bin, L.G.D. of Alexander							4,267.71
Portage Yard & Gladstone Yard	549	Electrical Wiring on Asphalt Storage Tanks, R.M. of Portage la Prairie & Westbourne							2,202.69
Teulon Yard	550	Purchase and Install Tank Stand, R.M. of Rockwood							13,288.12
Shoal Lake Yard	553	Landscaping, R.M. of Shoal Lake							4,867.28
Various Yards	501	Installation of Asphalt Storage Tanks, Various Locations, Various L.G.D.'s and Municipalities							14,615.72

Table No. 45

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
Various	531	General Maintenance, Men-For Roads, Unorganized Territory,	100.2						$ 38,090.94
	573	General Maintenance, International Peace Garden Road, International Peace Gardens							6,135.26
					80.2		*152.8		$2,232,992.49

* Seal Coat

Table No. M6

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL ROADS
APPROPRIATION 15-4A

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Gravel-ling	Stabilized Base Course	Bituminous Surfacing	Concrete	Expenditure
200	750	Asphalt Repairs, Ste. Agathe - St. Adolphe, R.M. of Ritchot							$ 17,780.18
209	751	Dragging & Dust Control, P.R. No. 201 - Gardenton, L.G.D. of Stuartburn	5.0				5.0 (Calcium Chloride Treatment)		7,359.48
223	754	Surface Repairs, P.R. No. 230 - P.T.H. No. 8, R.M. of St. Andrews	1.3						10,575.12
245	757	Grade Improvements, Vicinity of Sec. 17-6-12W., R.M. of Lorne							10,389.38
304	755	Hand Brushing, Various Locations, Curry's Landing - Caribou Lake Road, Rupertsland Unorganized							15,448.29

Table No. M6

Highway	Work Order No.	Nature & Location of Project	Project Miles	Miles of Grading	Miles of Gravelling	Miles of Stabilized Base Course	Miles of Bituminous Surfacing	Miles of Concrete	Expenditure
314	760	Culvert Replacement, Stormy Creek, E.D. of Rupertsland							$ 12,018.12
317	761	Culvert Installation, Vicinity of P.T.H. No. 12, R.M. of Brokenhead							13,885.78
328	758	Drainage Improvements, Gypsumville Westerly, E.D. of Interlake	1.0						3,721.30
373 & Jenpeg Road	756	Grade Repairs, Various Locations, Unorganized Territory	50.0						2,435.02
							*5.0		$ 93,612.67

* Calcuim Chloride 5.0

Table No. M7

MAINTENANCE EXPENDITURES
PROVINCIAL TRUNK HIGHWAYS AND PROVINCIAL ROADS
APPROPRIATION 15-4A

	Provincial Trunk Highways	Provincial Roads	Total
Summer Maintenance	$ 6,309,823.24	$13,511,529.21	$19,821,352.45
Winter Maintenance	4,313,578.74	4,242,215.86	8,555,794.60
Bridge	137,128.22	401,414.15	538,542.37
Special Projects	3,500,694.84	2,232,992.49	5,733,687.33
Contingencies	583,998.73	428,530.92	1,012,529.65
Stop Gap	12,167.23	93,612.67	105,779.90
Sub Total	14,857,391.00	20,910,295.30	35,767,686.30
Overheads			5,373,064.76
Vacation and Sick Leave			2,081,549.92
Traffic Control			3,239,374.11
Maintenance Management			195,238.69
Ferries			25,000.00
Personnel Safety			34,485.88
Maintenance Materials Holding Account			(60,824.04)
Administrative Overheads			(39,051.06)
Total			$46,616,524.56

Winter Stabilization of river bank near St. Andrews Church on River Road

A Department inspector protected by a safety harness checks timber bridge decking for rot

Table No. M8

MAINTENANCE
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-4A

Highway	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
1	289.2	$ 887,676.66	$ 709,789.76	$ 1,597,466.42	$5,524
1A	19.1	77,852.22	53,940.33	131,792.55	6,900
2	195.7	193,622.31	145,431.97	339,054.28	1,733
3	246.5	438,305.39	109,629.19	547,934.58	2,223
3A	7.0	7,343.69	1,483.76	8,827.45	1,261
5	249.8	293,570.56	241,790.68	535,361.24	2,143
6	365.6	297,044.29	394,459.15	691,503.44	1,891
7	65.0	108,551.74	40,364.69	148,916.43	2,291
8	72.8	114,465.12	51,509.36	165,974.48	2,280
9	52.5	121,084.27	65,604.53	186,688.80	3,556
9A	4.8	14,780.40	15,447.70	30,228.10	6,298
10	451.3	515,377.45	647,638.80	1,163,016.25	2,577
10A	7.5	34,678.93	38,730.43	73,409.36	9,788
11	91.2	103,704.19	54,425.96	158,130.15	1,734
12	161.1	284,645.42	167,753.83	452,399.25	2,808
13	31.3	35,559.64	24,211.26	59,770.90	1,910
14	31.3	53,017.03	16,268.82	69,285.85	2,214
15	47.4	67,664.62	33,626.09	101,290.71	2,137
16	162.0	273,870.97	149,073.66	422,944.63	2,611
16A	5.6	4,952.55	23,270.88	28,223.43	5,040
18	34.4	27,609.25	18,661.11	46,270.36	1,345
19	3.1	4,744.98	1,956.41	6,701.39	2,162
20	105.6	93,724.08	123,378.51	217,102.59	2,056
20A	3.2	1,860.64	10,030.53	11,891.17	3,716
21	109.5	179,817.20	76,167.58	255,984.78	2,338
22	13.0	16,942.65	18,996.70	35,939.35	2,765
23	165.8	197,458.60	91,631.57	289,090.17	1,744
24	50.0	96,528.35	42,589.41	139,117.76	2,782
25	17.5	18,280.37	16,530.20	34,810.57	1,989
26	40.0	51,167.17	18,167.26	69,334.43	1,733
27	1.8	2,797.06	3,430.71	6,227.77	3,460
29	0.3	822.48	252.61	1,075.09	3,584
30	13.6	14,556.19	9,394.18	23,950.37	1,761
31	14.1	20,337.85	9,466.93	29,804.78	2,114
32	14.1	23,172.37	2,734.54	25,906.91	1,837
34	77.2	141,299.82	37,663.00	178,962.82	2,318
41	43.9	98,738.35	37,573.73	136,312.08	3,105
42	32.6	36,890.95	40,798.14	77,689.09	2,383
44	73.9	134,479.87	90,787.19	225,267.06	3,048
45	65.9	95,113.68	49,580.19	144,693.87	2,196

Table No. M8

Highway	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
49	1.0	$ 160.50	$ 916.25	$ 1,076.75	$1,077
50	76.7	130,582.59	63,050.16	193,632.75	2,525
52	21.8	42,808.69	38,606.44	81,415.13	3,735
57	1.0	154.30	848.67	1,002.97	1,003
59	118.0	230,073.38	112,755.74	342,829.12	2,905
67	13.2	17,158.88	6,697.29	23,856.17	1,807
68	50.4	64,712.83	28,181.70	92,894.53	1,843
75	57.0	81,991.12	58,228.59	140,219.71	2,460
83	207.0	245,535.53	159,666.52	405,202.05	1,957
89	6.2	11,729.39	6,128.56	17,857.95	2,880
100	24.8	155,329.26	91,236.39	246,565.65	9,942
101	25.0	145,477.41	63,021.08	208,498.49	8,340
	4,038.3	$6,309,823.24	$4,313,578.74	$10,623,401.98	2,631

*The "Cost per Mile" is rounded off to the nearest dollar

Table No. M9

MAINTENANCE
PROVINCIAL ROADS
APPROPRIATION 15-4A

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
200	Emerson - P.T.H. No. 100	59.9	$ 84,813.36	$ 58,731.49	$143,544.85	$2,396
201	Piney - P.T.H. No. 34	145.1	239,242.70	72,599.29	311,841.99	2,149
202	Birds Hill - Lockport	9.3	9,977.19	716.73	10,693.92	1,150
203	Piney - Woodridge - P.T.H. No. 12	28.8	40,092.24	5,104.65	45,196.89	1,569
204	P.T.H. No. 101 - East Selkirk	18.4	45,108.14	31,786.85	76,894.99	4,179
205	Sarto - Sperling	50.6	134,772.27	34,945.01	169,717.28	3,354
206	P.T.H. No. 52 - Lockport	37.2	60,150.47	17,316.94	77,467.41	2,082
207	East of Ste. Anne - P.T.H. No. 1E. - P.R. No. 213	35.5	63,359.89	43,056.50	106,416.39	2,998
208	Vita - P.T.H. No. 12	10.7	13,476.68	8,515.08	21,991.76	2,055
209	Vita - Emerson	28.7	40,441.55	7,654.14	48,095.69	1,676
210	P.T.H. No. 12 - Ste. Anne - Ile des Chenes	62.3	85,674.91	49,514.89	135,189.80	2,170
211	Pinawa - P.T.H. No. 11	8.7	29,336.81	2,717.02	32,053.83	3,684
212	P.R. No. 206 - East Selkirk	14.7	34,111.76	6,948.80	41,060.56	2,793
213	Hazelridge - P.T.H. No. 59	16.1	45,753.02	11,297.83	57,050.85	3,544
214	P.T.H. No. 44 - Milner Ridge - P.T.H. No. 11	16.1	16,655.37	5,185.75	21,841.12	1,357
215	Beausejour - P.T.H. No. 12	6.1	23,427.18	8,602.79	32,029.97	5,251
216	P.T.H. No. 59 - New Bothwell	21.6	34,169.55	10,535.29	44,704.84	2,070
217	Rosa - St. Jean Baptiste	23.5	27,100.52	6,060.54	33,161.06	1,411
218	Ridgeville - St. Malo	18.3	34,048.62	9,275.84	43,324.46	2,367

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
220	P.T.H. No. 9 - P.R. No. 223	12.6	$ 21,221.35	$ 1,862.77	$ 23,084.12	$1,832
221	P.T.H. No. 101 - Rosser - P.T.H. No. 26	29.8	70,220.87	19,529.48	89,750.35	3,012
222	Gimli - Hnausa	19.5	28,064.69	10,379.55	38,444.24	1,971
223	Selkirk - P.T.H. No. 7	14.8	9,982.37	5,901.97	15,884.34	1,073
224	P.R. No. 325 - Fisher Bay	28.0	34,024.43	23,003.97	57,028.40	2,037
225	Whytewold - P.T.H. No. 8	3.9	1,988.67	8,515.50	10,504.17	2,693
226	P.T.H. No. 68 - P.R. No. 233	9.2	12,512.35	1,929.88	14,442.23	1,570
227	Warren - Westbourne	42.9	85,031.75	8,450.07	93,481.82	2,179
228	P.T.H. No. 8 - P.R. No. 325	76.0	88,751.24	45,593.69	134,344.93	1,768
229	Winnipeg Beach - Clarkleigh	47.3	69,638.19	16,209.40	85,847.59	1,815
230	P.T.H. No. 27 - Selkirk	6.6	11,333.38	7,511.10	18,844.48	2,855
231	Gimli - Narcisse	24.1	22,048.87	8,649.36	30,698.23	1,274
232	Matlock - Winnipeg Beach	6.2	5,168.61	7,121.78	12,290.39	1,982
233	Gull Harbour - Fisher Branch	60.6	67,944.55	25,788.05	93,732.60	1,547
234	Riverton - Matheson Island	64.6	121,297.35	17,806.93	139,104.28	2,153
235	Mulvihill - Lake Manitoba Narrows - Ste. Rose du Lac	79.5	176,815.98	83,710.98	260,526.96	3,277
236	P.T.H. No. 101 - Balmoral	22.0	40,464.30	4,252.79	44,717.09	2,033
237	Moosehorn - Spearhill	5.4	6,640.69	1,659.91	8,300.60	1,537
238	The River Road - Lockport	6.8	17,610.81	8,441.85	26,052.66	3,831
239	Grahamdale - Steep Rock	12.5	31,610.65	5,700.29	37,310.94	2,985
240	Darlingford - Delta	76.5	173,946.59	22,443.13	196,389.72	2,567
241	P.T.H. No. 100 - St. Eustache	27.3	74,223.46	35,963.27	110,186.73	4,036
242	Snowflake - Lake Manitoba	95.6	192,284.10	30,615.77	222,899.87	2,332
243	Emerson - Brown	46.5	102,154.29	12,943.18	115,097.47	2,475
244	Manitou - North Rathwell	41.3	83,583.90	22,135.66	105,719.56	2,560
245	Carman - P.R. No. 258	59.7	114,562.34	26,758.24	141,320.58	2,367

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
246	St. Joseph - P.T.H. No. 75 - P.R. No. 200	33.1	$ 71,185.35	$ 8,484.69	$ 79,670.04	$2,407
247	P.T.H. No. 75 - Elm Creek	40.5	126,709.16	15,599.68	142,308.84	3,514
248	Rosenort - P.T.H. No. 6	88.7	129,038.08	33,998.79	163,036.87	1,838
249	P.T.H. No. 26 - Macdonald	18.4	34,374.71	4,257.63	38,632.34	2,100
250	Souris - Rivers - P.R. No. 359	80.3	114,351.36	47,050.60	161,401.96	2,010
251	Goodlands - Saskatchewan Boundary	35.8	59,445.57	7,934.53	67,380.10	1,882
252	P.T.H. No. 3 - Reston - Hargrave	52.0	56,218.85	7,402.60	63,621.45	1,223
253	Pilot Mound - P.T.H. No. 18	38.1	33,349.69	3,594.68	36,944.37	970
254	P.R. No. 251 - Oak Lake - P.T.H. No. 83	162.9	285,120.55	59,649.13	344,769.68	2,116
255	Oak Lake Resort - Saskatchewan Boundary	32.7	39,775.21	8,466.27	48,241.48	1,475
256	United States Boundary-Elkhorn-McAuley	99.0	107,513.27	24,620.16	132,133.43	1,335
257	Virden - Saskatchewan Boundary	23.2	36,072.39	14,487.95	50,560.34	2,179
259	Wheatland - Virden	35.0	59,244.34	19,828.40	79,072.74	2,259
260	P.T.H. No. 4 - Alonsa	45.3	45,634.42	17,916.00	63,550.42	1,403
261	Amaranth - Riding Mountain	32.8	66,488.15	14,639.64	81,127.79	2,473
262	Junction P.T.H. Nos. 10 & 24 - Riding Mountain National Park	38.9	59,757.97	36,118.97	95,876.94	2,465
263	Scandinavia - P.R. No. 270	18.3	17,430.39	8,393.59	25,823.98	1,411
265	Lake Manitoba - Clanwilliam	57.8	110,974.04	15,505.36	126,479.40	2,188
266	Bowsman - Birch River	14.8	44,073.15	6,718.58	50,791.73	3,432
267	P.T.H. No. 20 - Sifton - P.R. No. 366	31.6	51,561.70	16,489.20	68,050.90	2,154
268	P.T.H. No. 10 - Birch River	28.3	47,780.86	33,066.91	80,847.77	2,857
269	P.R. No. 490 - Ethelbert	42.6	82,550.02	27,052.10	109,602.12	2,573
270	P.T.H. No. 1W. - Basswood - P.R. No. 263	55.2	88,456.91	20,561.25	109,018.16	1,975

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
271	P.T.H. No. 20 - Pine River	20.1	$ 45,045.56	$ 22,258.01	$ 67,303.57	$3,348
272	Camperville - Duck Bay	13.4	59,009.94	7,813.14	66,823.08	4,987
273	Fishing River - P.T.H. No. 10	14.9	32,347.41	6,185.59	38,533.00	2,586
274	P.T.H. No. 5 & 10 - Gilbert Plains - Ethelbert	55.3	131,579.25	49,473.99	181,053.24	3,274
275	Swan River - Saskatchewan	14.5	14,714.84	7,813.83	22,528.67	1,554
276	Ste. Rose du Lac - Skownan	71.1	113,659.73	48,845.87	162,505.60	2,286
277	P.T.H. No. 10 - Westgate	25.8	12,603.80	27,620.83	40,224.63	1,559
278	P.T.H. No. 50 - Shergrove	25.9	43,047.25	16,843.44	59,890.69	2,312
279	Bowsman - Whitefish Lake	20.4	23,523.96	8,746.95	32,270.91	1,582
282	Westray - Carrot River	14.8	31,879.79	2,667.04	34,546.83	2,334
283	The Pas - Saskatchewan Boundary	24.7	37,965.90	14,221.92	52,187.82	2,113
285	Rahl's Island - The Pas	9.5	32,379.50	25,835.54	58,215.04	6,128
287	Clearwater Lake - P.T.H. No. 10	11.8	29,182.14	7,027.43	36,209.57	3,069
289	P.R. No. 285 - Grace Lake	2.4	1,862.56	4,544.61	6,407.17	2,670
291	Flin Flon - Channing Lake	2.8	13,519.63	1,891.49	15,411.12	5,504
300	St. Anne's Road	3.3	14,374.31	1,825.19	16,199.50	4,909
301	Falcon Lake - West Hawk Lake	7.2	2,530.44	6,830.82	9,361.26	1,300
302	La Broquerie - Beausejour	40.2	95,166.78	7,024.09	102,190.87	2,542
303	La Broquerie - P.R. No. 200	32.9	77,163.73	11,794.18	88,957.91	2,704
304	P.T.H. No. 59 - Wadhope	125.6	196,504.70	53,724.23	250,228.93	1,992
305	P.T.H. No. 59 - Ste. Agathe - Junction P.T.H. Nos. 1 & 4	93.4	246,980.22	24,535.73	271,515.95	2,907
306	P.T.H. No. 15 - Garson	13.3	24,181.68	1,626.47	25,808.15	1,940
307	P.T.H. No. 44 - Seven Sisters Falls	48.6	48,815.89	23,277.98	72,093.87	1,483
308	Sprague - East Braintree	63.6	55,480.54	26,199.12	81,679.66	1,284
309	P.R. No. 307 - Big Whiteshell Lake	7.6	1,571.90	1,908.08	3,479.98	458

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
310	United States Boundary - South Junction	2.5	$ 1,414.92	$ 2,296.56	$ 3,711.48	$1,485
311	Blumenort - P.R. No. 200	25.3	41,606.47	23,773.00	65,379.47	2,584
312	Caddy Lake - P.T.H. No. 44	3.4	4,341.18	3,258.46	7,599.64	2,235
313	Pointe du Bois - P.T.H. No. 11	25.2	26,422.29	10,446.61	36,868.90	1,463
314	P.R. No. 315 - Cat Lake	46.0	46,028.06	10,000.59	56,028.65	1,218
315	P.R. No. 313 - Bird Lake	37.1	54,775.02	7,998.47	62,773.49	1,692
316	P.T.H. No. 44 - Lowland	14.7	23,312.58	2,347.59	25,660.17	1,746
317	Lac du Bonnet - P.T.H. No. 59	31.2	55,709.21	9,992.53	65,701.74	2,106
318	Otterburne - Niverville	7.4	11,859.16	1,537.20	13,396.36	1,810
319	P.T.H. No. 59 - Patricia Beach	3.7	4,770.36	1,563.97	6,334.33	1,712
320	Selkirk - Breezy Point	11.2	35,371.14	9,694.64	45,065.78	4,024
321	P.R. No. 220 - Gross Lake	18.0	41,057.40	2,615.29	43,672.69	2,426
322	Grosse Isle - P.R. No. 415	25.7	48,810.47	4,475.07	53,285.54	2,073
323	P.T.H. No. 7 - Argyle - P.R. No. 248	19.5	39,972.22	4,191.83	44,164.05	2,265
324	Camp Morton - Rembrandt	12.2	19,978.68	1,918.81	21,897.49	1,795
325	P.R. No. 234 - Ashern - P.R. No. 235	78.2	125,542.01	37,448.60	162,990.61	2,084
326	Arborg - P.R. No. 233	10.1	10,362.49	4,340.27	14,702.76	1,456
327	P.T.H. No. 6 - Easterville	40.3	29,054.61	29,908.41	58,963.02	1,463
328	Gypsumville - Waterhen River	39.6	62,598.23	11,243.54	73,841.77	1,865
329	Riverton - Broad Valley	29.7	53,395.96	8,416.74	61,812.70	2,081
330	Morris - P.T.H. No. 100	29.4	90,078.09	8,494.73	98,572.82	3,353
331	Fortier - Portage la Prairie	17.4	21,118.19	7,031.78	28,149.97	1,618
332	Rosenfeld - Dacotah	49.3	158,692.07	13,800.36	172,492.43	3,499
334	Domain - P.T.H. No. 6	35.9	99,363.38	20,334.08	119,697.46	3,334
336	P.R. No. 201 - North of Sperling	33.8	74,561.15	8,452.52	83,013.67	2,456
338	Thornhill - Haywood - P.R. No. 331	55.9	108,204.23	7,066.49	115,270.72	2,062
340	P.T.H. No. 3 - Douglas	63.2	69,316.48	15,233.05	84,549.53	1,338

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
341	Lena - Horton	21.1	$ 18,446.77	$ 3,266.28	$ 21,713.05	$1,029
342	Clearwater - Cypress River	31.2	46,924.78	4,417.72	51,342.50	1,646
343	P.T.H. No. 10 - Dand	22.5	17,217.87	1,551.27	18,769.14	834
344	Dunrea - Wawanesa - Brandon	49.6	102,805.48	28,392.17	131,197.65	2,645
345	P.T.H. No. 21 - Saskatchewan Boundary	40.5	47,343.32	7,427.95	54,771.27	1,352
346	Wakopa - Nesbitt	36.5	31,866.04	6,966.47	38,832.51	1,064
347	P.R. No. 348 - Hartney	25.1	26,295.90	8,425.08	34,720.98	1,383
348	Boissevain - P.R. No. 349	43.0	51,619.35	9,549.83	61,169.18	1,423
349	P.T.H. No. 10 - South of Griswold	22.6	32,650.68	5,392.49	38,043.17	1,683
350	P.T.H. No. 34 - MacGregor - Woodside	43.6	98,396.45	7,784.58	106,181.03	2,435
351	Sidney - Camp Hughes	21.9	40,523.41	16,504.47	57,027.88	2,604
352	P.T.H. No. 34 - Edrans - Birnie	57.4	131,621.67	15,652.58	147,274.25	2,566
353	P.T.H. No. 34 - Brookdale - P.T.H. No. 10	41.7	47,125.67	16,285.24	63,410.91	1,521
354	P.T.H. No. 21 - Strathclair - P.R. No. 359	57.4	82,779.62	25,496.11	108,275.73	1,886
355	Minnedosa - Beulah	53.3	87,194.28	17,375.01	104,569.29	1,962
357	Birnie - Erickson	22.1	25,387.16	15,600.29	40,987.45	1,855
359	P.R. No. 270 - Vista	37.1	31,851.53	15,176.16	47,027.69	1,268
360	McCreary - P.R. No. 235	23.0	40,489.94	10,556.05	51,045.99	2,219
361	McCreary - Mt. Agassiz Ski Resort	4.2	1,932.73	3,469.06	5,401.79	1,286
362	Dauphin - Sifton - P.R. No. 273	24.3	32,028.73	21,596.26	53,624.99	2,207
363	P.T.H. No. 83 - Saskatchewan Boundary	5.5	22,215.84	5,725.43	27,941.27	5,080
364	Rorketon - Winnipegosis	31.9	79,495.72	36,748.35	116,244.07	3,644
365	P.T.H. No. 10 - Steeprock River	18.4	16,355.16	8,633.88	24,989.04	1,358
366	Inglis - Grandview - Birch River	138.1	238,648.98	83,188.30	321,837.28	2,330
367	Garland - P.T.H. No. 83	50.8	98,154.83	29,162.33	127,317.16	2,506

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
373	Sipiwesk Lake - P.R. No. 391	19.4	$ 62,422.40	$ 13,808.76	$ 76,231.16	$3,929
375	Paint Lake - P.R. No. 391	3.7	2,495.86	5,760.73	8,256.59	2,232
391	P.T.H. No. 10 - Thompson - Lynn Lake (Nelson House Road - Ruttan Lake Road excluded)	398.3	715,008.04	459,221.80	1,174,229.84	2,948
392	P.R.No. 391 - Snow Lake	26.6	17,268.82	35,679.75	52,948.57	1,991
393	P.R.No. 392 - Osborne Lake	11.8	6,938.67	10,854.55	17,793.22	1,508
394	Lynn Lake - Co-Op Point	62.7	19,920.56	10,352.65	30,273.21	483
395	Snow Lake - Chisel Lake	8.1	6,681.19	9,356.31	16,037.50	1,980
396	Lynn Lake - Dunphy Lakes	28.2	6,045.91	16,228.38	22,274.29	790
397	Lynn Lake - Eldon Lake	3.4	4,769.59	6,250.39	11,019.98	3,241
398	P.R. No. 394 - Berge Lake	1.1	200.17	182.94	383.11	348
399	Lynn Lake - Railway Station Road	0.3	-	610.71	610.71	2,036
400	P.R. No. 217 - Dufrost	7.2	6,317.24	155.34	6,472.58	899
401	Hoddinott Road	1.9	9,779.10	5,920.22	15,699.32	8,263
402	Sundown - P.T.H. No. 12	6.3	14,544.22	803.45	15,347.67	2,436
403	P.R. No. 216 - St. Malo	4.7	9,530.31	3,311.51	12,841.82	2,732
404	P.T.H. No. 12 - East of Marchand	15.0	13,445.16	2,832.43	16,277.59	1,085
405	P.R. No. 206 - Ile des Chenes - P.R. No. 200	14.6	64,682.86	4,236.74	68,919.60	4,721
406	Elma - Whitemouth	5.6	15,763.27	8,284.74	24,048.01	4,294
407	P.R. No. 202 - Henderson Highway	2.3	2,724.01	50.88	2,774.89	1,206
408	P.T.H. No. 11 - Seven Sisters Falls	8.5	27,944.35	4,945.18	32,889.53	3,869
409	P.T.H. No. 101 - P.R. No. 220	2.9	2,460.24	159.23	2,619.47	903
410	St. Andrews Church - P.T.H. No. 8	4.4	12,461.61	6,133.42	18,595.03	4,226
411	P.T.H. No. 6 - St. Ambroise	14.2	14,573.38	1,614.26	16,187.64	1,140
412	P.T.H. No. 26 - Warren	11.6	20,997.27	2,751.04	23,748.31	2,047
413	Petersfield - Gunton	12.3	31,360.06	3,229.28	34,589.34	2,812

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
414	P.R. No. 411 - Lake Francis	7.2	$ 17,195.84	$ 828.25	$ 18,024.09	$2,503
415	Teulon - St. Laurent	38.0	67,170.53	12,277.09	79,447.62	2,091
416	P.R. No. 415 - Inwood	9.2	9,676.46	771.05	10,447.51	1,136
417	Eriksdale - Lake Manitoba	15.3	25,049.71	6,087.05	31,136.76	2,035
418	Lake Manitoba - West of Mulvihill	18.1	48,175.75	5,208.36	53,384.11	2,949
419	Chatfield - Lake Manitoba	39.3	51,589.86	6,974.71	58,564.57	1,490
420	P.T.H. No. 75 - La Salle	7.4	18,468.42	2,329.99	20,798.41	2,811
421	P.T.H. No. 75 - South of Altona	12.8	27,405.49	6,043.68	33,449.17	2,613
422	P.T.H. No. 23 - Rosenort P.O.	7.2	28,964.73	1,728.94	30,693.67	4,263
423	P.R. No. 244 - Crystal City	23.3	48,590.92	7,778.39	56,369.31	2,419
424	P.T.H. No. 2 - P.R. No. 241	6.3	23,459.08	1,596.41	25,055.49	3,977
425	Saskatchewan Avenue	3.7	11,809.23	4,197.54	16,006.77	4,326
426	P.T.H. No. 1W. - Poplar Point	15.7	31,541.89	3,583.16	35,125.05	2,237
427	Wilkes Avenue - West	3.4	14,697.20	1,061.93	15,759.13	4,635
428	Winkler - Roland	11.4	15,988.84	1,563.46	17,552.30	1,540
429	St. Adolphe - P.T.H. No. 75	0.9	412.94	1,609.44	2,022.38	2,247
430	P.T.H. No. 1W. - St. Ambroise	24.5	53,249.32	4,076.37	57,325.69	2,340
431	St. Leon - P.T.H. No. 23	3.1	12,436.67	3,302.13	15,738.80	5,077
432	P.R. No. 201 - Rosebank	23.3	42,017.69	8,619.92	50,637.61	2,173
433	Wendigo Road	12.2	25,521.45	3,715.17	29,236.62	2,396
434	Lake Minnewasta - Morden	0.9	2,244.77	-	2,244.77	2,494
435	P.T.H. No. 12 - P.R. No. 212	25.2	35,479.17	4,985.98	40,465.15	1,606
440	P.R. No. 253 - Mariapolis	11.9	11,919.94	2,361.00	14,280.94	1,200
441	P.T.H. No. 83 - Elkhorn	8.6	9,466.94	3,446.48	12,913.42	1,502
442	Mather - P.R. No. 342	11.9	8,592.01	613.90	9,205.91	774
443	Ninga - Boissevain	8.3	4,093.11	3,266.73	7,359.84	887
444	William Lake - P.R. No. 341	5.2	3,008.90	212.12	3,221.02	619

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
445	Melita - Saskatchewan Boundary	18.2	$ 7,899.77	$ 3,152.76	$ 11,052.53	$ 607
446	Max Lake - P.T.H. No. 3	7.5	5,771.32	1,072.16	6,843.48	912
447	P.R. No. 254 - Napinka - P.T.H. No. 83	12.5	21,383.36	3,499.01	24,882.37	1,991
448	P.R. No. 343 - Elgin	7.2	25,328.20	1,468.71	26,796.91	3,722
449	P.R. No. 245 - Holland	10.2	17,663.95	4,453.88	22,117.83	2,168
450	United States Boundary - Whitewater	12.9	6,602.59	6,071.88	12,674.47	983
451	Treesbank - P.R. No. 344	3.1	4,804.38	588.89	5,393.27	1,740
452	Waskada - Napinka	15.4	19,246.15	1,943.54	21,189.69	1,376
453	Rounthwaite - P.T.H. No. 10	7.1	11,336.45	2,751.86	14,088.31	1,984
454	P.R. No. 347 - West of Souris	6.1	12,036.15	3,576.09	15,612.24	2,559
455	P.T.H. No. 1W. - P.T.H. No. 21	8.8	23,356.11	3,151.64	26,507.75	3,012
457	P.R. No. 340 - Brandon	10.4	2,905.87	5,158.64	8,064.51	775
458	P.R. No. 251 - Melita	12.3	17,239.32	1,452.86	18,692.18	1,520
459	Brandon - P.T.H. No. 1W.	6.1	5,098.55	3,624.79	8,723.34	1,430
460	Gladstone - P.R. No. 265	12.4	24,598.84	4,288.59	28,887.43	2,330
461	P.R. No. 242 - P.T.H. No. 34	10.9	20,194.23	2,610.55	22,804.78	2,092
462	P.R. No. 265 - Glenella - P.T.H. No. 5	35.5	56,210.61	17,745.61	73,956.22	2,083
463	P.T.H. No. 21 - P.R. No. 254	2.3	3,537.12	972.58	4,509.70	1,961
464	P.T.H. No. 1W. - Brookdale - P.T.H. No. 4	23.4	35,477.91	5,731.96	41,209.87	1,761
465	P.R. No. 258 - Rapid City Junction	18.3	19,469.14	5,042.78	24,511.92	1,339
466	Cordova - North of Franklin	14.0	30,169.65	5,270.15	35,439.80	2,531
467	South of Miniota-Saskatchewan Boundary	20.4	25,572.12	6,868.36	32,440.48	1,590
468	Chater - North of Moore Park	20.6	24,113.21	6,128.55	30,241.76	1,468
469	P.R. No. 354 - Hamiota - P.R. No. 254	16.5	35,830.40	10,161.84	45,992.24	2,787
470	Hamiota - P.R. No. 250	43.2	47,952.25	21,215.26	69,167.51	1,601
471	Neepawa - P.R. No. 250	19.2	23,950.89	7,102.78	31,053.67	1,617

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
472	P.T.H. No. 4 - Vista	10.7	$ 14,115.21	$ 3,512.83	$ 17,628.04	$1,647
473	P.T.H. No. 10 - Newdale	12.2	19,088.07	5,036.70	24,124.77	1,977
474	Arrow River - Solsgirth	28.2	44,570.08	9,114.70	53,684.78	1,904
475	Foxwarren - P.T.H. No. 41	5.2	16,384.85	2,330.81	18,715.66	3,599
476	P.T.H. No. 4 - Angusville-P.R. No. 254	22.4	52,973.95	8,817.78	61,791.73	2,759
477	P.T.H. No. 21 - P.R. No. 254	7.2	9,592.45	1,051.60	10,644.05	1,478
478	Saskatchewan Boundary - Binscarth - North of Inglis	55.5	78,191.90	48,968.00	127,159.90	2,291
479	Angusville - P.T.H. No. 41	11.2	23,229.41	7,065.45	30,294.86	2,705
480	P.T.H. No. 5 - Makinak - Dauphin Lake	38.3	86,690.28	22,564.30	109,254.58	2,583
481	Crane River - P.R. No. 364	27.2	39,335.92	11,226.26	50,562.18	1,859
482	P.T.H. No. 83-Dropmore-P.T.H. No. 5	29.0	21,631.17	18,673.63	40,304.80	1,390
483	Merridale - P.T.H. No. 83	11.8	11,630.61	11,199.92	22,830.53	1,935
484	P.T.H. No. 5 - North of Makaroff	20.5	28,957.85	10,152.74	39,110.59	1,908
485	P.R. No. 366 (South of Minitonas) - P.R. No. 486	10.2	21,919.63	5,863.75	27,783.38	2,724
486	P.R. No. 586 (South of Durban) - P.T.H. No. 83	16.7	23,948.99	9,599.61	33,548.60	2,009
487	Kenville - P.R. No. 588	9.4	11,161.56	3,473.26	14,634.82	1,557
488	P.R. No. 486 - P.T.H. No. 10 (East of Swan River)	13.4	26,943.05	9,478.97	36,422.02	2,718
489	Garland - P.T.H. No. 20	31.3	49,591.85	14,798.34	64,390.19	2,057
490	P.R. No. 481 (West of Toutes Aides) - P.R. No. 269	8.0	11,319.85	1,812.59	13,132.44	1,642
501	Ross - P.T.H. No. 1E.	16.3	22,255.59	8,446.75	30,702.34	1,884
502	Lac du Bonnet - P.R. No. 313 - P.T.H. No. 11	5.1	9,868.76	6,205.85	16,074.61	3,152

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
503	P.R. No. 308 - P.T.H. No. 1E.	21.5	$ 35,134.40	$ 1,862.73	$ 36,997.13	$1,721
504	Victoria Beach - Lake Winnipeg	1.4	351.81	826.43	1,178.24	842
505	Whitemouth River - P.R. No. 503	3.2	4,736.43	202.17	4,938.60	1,543
506	Prawda - P.T.H. No. 11 - P.T.H. No. 1E.	30.5	47,743.07	3,148.48	50,891.55	1,669
507	P.R. No. 506 - Medika	2.5	4,786.12	1,078.54	5,864.66	2,346
508	East Selkirk - St. Peters Church	8.2	5,076.44	3,586.05	8,662.49	1,056
509	P.T.H. No. 59 - P.R. No. 204	1.0	739.05	215.17	954.22	954
511	P.R. No. 518 - Oak Point	12.4	17,787.70	7,687.77	25,475.47	2,054
512	P.R. No. 419 - P.T.H. No. 68	9.7	3,777.10	1,097.10	4,874.20	502
513	P.T.H. No. 6 - Gypsumville - Anama Bay	51.4	75,343.78	29,927.56	105,271.34	2,048
514	P.R. No. 235 - South of Ashern	18.3	25,820.06	11,176.71	36,996.77	2,022
515	Clandeboye - P.T.H. No. 8	3.1	2,848.90	1,550.04	4,398.94	1,419
516	P.R. No. 329 - Shorncliffe	9.2	8,922.83	1,040.72	9,963.55	1,083
517	Balmoral - P.R. No. 322	10.2	13,502.72	6,175.07	19,677.79	1,929
518	Woodlands - P.R. No. 229	23.8	29,150.58	3,389.65	32,540.23	1,367
519	Sandy Hook - P.T.H. No. 8	1.7	6,414.76	2,326.65	8,741.41	5,142
521	Rosengart - P.T.H. No. 32	3.2	6,026.34	198.33	6,224.67	1,945
522	Halbstadt Road	4.1	12,035.27	571.69	12,606.96	3,075
523	P.T.H. No. 75 - Sewell - P.R. No. 332	9.5	16,402.44	1,057.35	17,459.79	1,838
524	Blumenort - P.R. No. 243	2.0	2,364.67	-	2,364.67	1,182
525	United States Boundary - P.R. No. 308	6.0	13,696.99	738.59	14,435.58	2,406
526	P.T.H. No. 26 - North of High Bluff	3.9	5,164.90	3,373.02	8,537.92	2,189
528	Kaleida - P.T.H. No. 3	4.4	13,903.68	700.42	14,604.10	3,319
530	P.T.H. No. 23 - Bruxelles	6.2	10,207.55	661.19	10,868.74	1,753
532	Mariapolis - P.R. No. 245	7.2	5,511.97	876.84	6,388.81	887
541	North of Mather - P.R. No. 258	9.8	5,379.47	13.38	5,392.85	550

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
543	P.T.H. No. 21 (South of Griswold) - P.R. No. 254	7.2	$ 8,135.86	$ 1,508.38	$ 9,644.24	$1,339
545	P.T.H. No. 41 (South of St. Lazare) - Saskatchewan Boundary	5.5	18,652.55	1,451.29	20,103.84	3,655
547	P.R. No. 482 - Saskatchewan Boundary	2.0	3,137.52	636.14	3,773.66	1,887
561	Justice - Forrest	7.2	9,161.93	1,936.70	11,098.63	1,541
562	Polonia - Mountain Road	4.0	8,307.00	2,739.35	11,046.35	2,762
563	P.T.H. No. 10 - P.R. No. 270 - (North of Rapid City)	4.1	5,523.25	3,227.58	8,750.83	2,134
564	Minnedosa - Bethany	8.2	10,568.01	3,714.81	14,282.82	1,742
565	P.T.H. No. 41 (South of McAuley) - Saskatchewan Boundary	3.1	4,867.24	1,640.80	6,508.04	2,099
566	Oakburn - P.R. No. 359	13.8	20,337.35	4,298.73	24,636.08	1,785
567	Lynch's Point - P.T.H. No. 50	4.7	10,684.73	613.36	11,298.09	2,404
568	P.T.H. No. 83 - Wattsview -P.R. No. 475	18.7	25,505.62	11,750.34	37,255.96	1,992
569	Lake Manitoba - P.T.H. No. 50	3.6	12,942.20	689.19	13,631.39	3,786
571	P.T.H. No. 41 (North of McAuley) - Saskatchewan Boundary	4.1	8,120.59	1,812.35	9,932.94	2,423
573	Lake Manitoba - P.T.H. No. 59 - (South of Embury)	5.1	15,398.97	175.71	15,574.68	3,054
575	P.R. No. 260 - Birnie	15.9	22,495.08	4,020.67	26,515.75	1,668
577	P.R. No. 566 - North of Rossburn	15.4	25,159.95	4,909.34	30,069.29	1,953
579	P.T.H. No. 83 - Millwood - P.R. No. 478	16.4	35,838.22	8,328.84	44,167.06	2,693
581	Ste. Amelie - P.T.H. No. 5	5.1	7,644.58	4,331.48	11,976.06	2,348
582	Makinak - Ochre River	10.2	25,611.78	5,227.41	30,839.19	3,023
583	Shevlin - P.T.H. No. 83	9.5	20,008.56	6,846.79	26,855.35	2,827

Table No. M9

Provincial Road	Location	Miles	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per Mile
584	P.R. No. 366 - Merridale - P.R. No. 594	45.9	$ 71,341.66	$ 31,512.81	$ 102,854.47	$ 2,241
585	P.R. No. 276 - West of Rorketon	11.2	11,152.79	4,055.30	15,208.09	1,358
586	P.T.H. No. 83 - Durban	15.2	21,889.50	9,438.77	31,328.27	2,061
587	P.R. No. 268 - Bowsman	12.0	22,963.13	4,939.56	27,902.69	2,325
588	Beniot - P.R. No. 269	25.2	47,955.47	11,905.24	59,860.71	2,375
589	P.R. No. 478 - P.T.H. No. 83	5.2	7,647.61	6,051.99	13,699.60	2,635
591	P.R. No. 584 - Roblin	5.4	12,051.84	3,614.68	15,666.52	2,901
592	Deepdale - P.T.H. No. 83	6.1	12,830.86	3,704.21	16,535.07	2,711
593	P.T.H. No. 83 - Deepdale	6.0	10,464.85	4,608.29	15,073.14	2,512
594	P.T.H. No. 83 - Boggy Creek	12.4	20,552.40	6,618.13	27,170.53	2,191
666	Access Roads	235.5	498,213.05	356,564.74	854,777.79	3,630
Other Roads	District 10	311.0	531,701.75	192,346.90	724,048.65	2,328
		8,000.9	$13,511,529.21	$4,242,215.86	$17,753,745.07	$2,219

*The "Cost per Mile" is rounded off to the nearest dollar

TRAFFIC INSPECTION

The province is divided into 5 separate enforcement regions, with each region having a supervisor responsible for the operation of at least one major Highway Traffic Inspection Station and one portable electronic scale.

The portable scales are capable of weighing in high volume traffic and are stationed at predetermined sites throughout the province. They are used by inspectors when patrolling their areas to ensure that motor vehicles are operating within the allowable weights and dimensions as specified in the Highway Traffic Act.

It is also the responsibility of the Highway Traffic Inspectors to ensure that motor carriers are operating in compliance with Part VIII of the Highway Traffic Act and regulations imposed by the Motor Transport Board.

In addition to enforcing regulations with regard to commercial vehicles, inspectors file temporary commercial vehicle authority reports, issue motive fuel permits, single trip permits and trip insurance. They are empowered to lay charges under the Motor Vehicle Transport Act (Canada), the Highway Traffic Act and Motive Fuel Tax Act.

A joint training program in the field of transportation enforcement has been implemented with the R.C.M.P. in Regina. This course has been tailored to meet the needs of inspectors in Manitoba, Saskatchewan and Alberta. To date ten Highway Traffic Inspectors have been successfully trained.

Highway Traffic Inspection Statistics from March 1, 1982 to February 28 1983 are as follows:

Inspection Statistics

Inspection Reports	3,920
Inspection Notices	1,167
Single Trip Certificates	15,495
Transit Licences	1,423
Motive Fuel Tax Certificates	12,120
Written Complaints Investigated	96
Total Prosecutions	2,780
Written Warnings	387
Total Fines & Costs	$ 230,852.73

PROSECUTIONS INSTITUED AND DISPOSED OF:

	1980	1981
Winnipeg	2,249	2,346
Convictions	2,106	2,252
Stay of proceedings and withdrawn	70	48
Acquitted	7	0
Reprimanded	50	46
Dismissed	6	0
Dauphin	361	404
Convictions	347	389
Stay of proceedings and withdrawn	10	10
Acquitted	3	1
Reprimanded	1	4
Brandon	149	69
Convictions	144	66
Stay of proceedings and withdrawn	3	1
Reprimanded	2	2

FINES AND COSTS

Winnipeg	$167,775.35	$146,414.20
Dauphin	29,112.25	30,273.50
Brandon	7,661.10	3,293.25
Total	$204,548.70	$179,980.95

TRAFFIC OPERATIONS

Accident Statistics

The following are statistics for the calendar year 1982, obtained from the computerized accident record system. Accidents listed are on the PTH and PR system.

ACCIDENTS BY ENGINEERING DISTRICTS

District	Fatal	Injury	Property Damage	Total
1	9	164	447	620
2	7	162	393	562
3	9	86	242	337
4	2	30	140	172
5	3	145	483	631
6	4	126	331	461
7	5	60	252	317
8	3	63	252	318
9	1	34	111	146
10	3	64	206	273
11	9	49	198	256
12	7	151	405	563
TOTALS	62	1,134	3,460	4,656

URBAN & RURAL ACCIDENTS BY DISTRICT

District	Urban	Rural	Total
1	111	509	620
2	104	458	562
3	45	292	337
4	8	164	172
5	222	409	631
6	52	409	461
7	43	274	317
8	65	253	318
9	24	122	146
10	46	227	273
11	35	221	256
12	84	479	563
TOTAL	839	3,817	4,656

DAY-NIGHT AND MULTIPLE-SINGLE ACCIDENTS

	Multiple	Single	Total
Day	1,290	1,182	2,472
Night	466	1,718	2,184
Total	1,746	2,900	4,656

This data shows a 12% decrease in the number of reported accidents on provincial highways over the previous year.

Traffic Safety

During the year, 8,675 linear feet of guard rail was installed as end protection on 21 bridges at a total cost of $151,413.95.

In order to reduce the number of accidents that occur on construction sites and to improve the general safety in these areas, 107 construction sites were inspected. In addition, preconstruction meetings were attended and seminars were given to foremen and survey party chiefs to promote safer construction procedures on the highways.

Speed Studies

Eighty radar studies were conducted for the purpose of recommending speed limits in both urban and rural areas. Speed measurements were also used to compile a data base to monitor vehicle speeds at signalized intersections and other critical locations.

Pavement Marking

Cost of Pavement Marking Program	1,382,790.00
Gallons of paint applied	73,753
Average cost per applied gallon	9.42
Miles of centre line painted	7,802.3
Miles of edge line painted	2,892.0
Total miles of pavement markings applied	10,694.3
Average cost of centre line per mile	88.00
Average cost of edge line per mile	132.40
Composite cost of applied pavement markings	129.30
Average gallons of paint per mile of pavement markings	6.9

The above summary includes repainting of existing pavement markings as well as paint of seal coated pavements. It does not include material used and accomplishments for work done for towns & villages, the Federal Government and other Provincial Government Departments.

Signs

Upgrading traffic control messages complete with breakaway sign posts and 35' setback was carried out at: the junction of P.T.H. Nos. 7 and 67; Norquay Park and Pinegrove Halt on P.T.H. No. 1; Plessis Road interchange with P.T.H. No. 1; Clearwater Provincial Park on P.T.H. No. 10; junction P.T.H. Nos. 1 & 100, P.T.H. Nos. 59 & 101, P.T.H. Nos. 59 & 100 and Portage la Prairie By-Pass.

An inspection is underway on overhead sign structures, with nine structures being fully inspected this year. As a result of these inspections, seven structures were repaired, after the necessary design and detailing work was performed by a consulting Engineer.

Assistance was given to many districts in signing major construction detours.

Weigh Station Signing

Remote controlled flashing amber signals were installed to assist traffic inspectors at the Souris and Oak Bluff Weigh Stations.

These signals are mounted on signs up to 2km from the weigh scale and indicate to the traffic whether or not the scale is open. Switching is achieved by a radio transmitter located in the scale house and corresponding receivers attached to the remote signs.

The traffic signal crew and radio division co-operated to complete this project successfully.

Traffic Signals

1. Fully actuated traffic control signals were installed at the intersection of P.T.H. No. 1A and 24th Street in the City of Portage la Prairie.

   These signals are equipped with microprocessor based control equipment, combination traffic signal and illumination poles, greater setback distances and breakaway pole bases.

   This equipment, as well as being relatively maintenance free, will provide an efficient form of pedestrian and vehicular traffic control.

2. Semi-actuated traffic control signals were installed at the junction of P.T.H. No. 10A and 9th Street in the Town of Swan River.

These signals use electronic control equipment and inductance loop detectors buried in the 9th street pavement to control traffic across Main Street. Pedestrians are permitted to cross Main Street on actuation of a push button located on a convenient signal standard.

3. Inductance loop detectors to control vehicles and pedestrian push buttons were added to two signals in the City of Thompson:

   (a) at P.R. No. 391 and Station Road
   (b) at P.R. No. 391 and Thompson Drive North

   These additions convert the existing fixed time signals to semi-actuated. A substantial saving to motorists in time and money is anticipated due to a decrease in stopping and waiting time at the traffic signals.

4. The installation of two joint use traffic signal and illumination poles was combined with highway improvements at P.T.H. No. 9A and Manitoba Avenue in the Town of Selkirk.

   The addition of these poles allowed for the removal of adjacent street illumination poles and provided better visibility for traffic on P.T.H. No. 9A.

5. Breakaway pole bases, combination signal and illumination poles, and greater setback distances for signal poles were used to improve the safety, the aesthetics and the overall efficiency of traffic control signals at numerous locations.

6. Two sets of temporary fixed time traffic signals were installed on P.T.H. No. 16 at:

   (a) Willow Bend Creek
   (b) White Mud River

   These signals installed by the Department signal crew on wood poles and span wires were used to direct traffic through one lane bridge construction zones.

Illumination

1. Illumination was installed at the following locations:
   (a) P.T.H. No. 1 and P.T.H. No. 34: Installed 2 - 35 foot aluminum poles with flangible bases with 1 - 150 Watt HPS luminaire mounted on each pole.

   (b) P.T.H. No. 59 and Garven Road (P.R. No. 213): Installed 2 - 55 foot direct buried steel poles with 1 - 250 Watt HPS luminaire mounted on each pole.

(c) P.T.H. Nos. 75 and 29: Installed 3 - 35 foot aluminum poles with flangible bases with 2 - 150 Watt HPS luminaire mounted on two poles and 1 - 150 Watt HPS luminaire mounted on the third pole.

(d) P.T.H. Nos. 14 and 30: Installed 2 - 35 foot aluminum poles with flangible bases with 1 - 150 Watt HPS luminaire mounted on each pole.

2. Modifications

(a) At P.T.H. No. 59 and Bird's Hill Park Interchange 8 - 1000 Watt MV luminaires were removed and replaced with 4 - 1000 Watt HPS luminaires.

(b) At P.T.H. Nos. 75 and 100, 118 existing poles and 118 - 400 Watt MV luminaires were removed and replaced with 6 high masts with 3 - 1000 Watt HPS luminaires mounted on each, 30 - 55 foot direct buried steel poles with 400 Watt HPS luminairs on each pole and 4 - 55 foot direct buried steel poles with 250 Watt HPS luminaires mounted on each pole.

Experimental

In an effort to reduce the number of wild animal collisions (approximately 600 per year) Swareflex wildlife reflectors were installed in the fall of 1982 at two locations along P.T.H. No. 10, south of Brandon.

The two locations were selected in co-operation with the Department of Renewable Resources through review of accident records combined with field inspections to identify the key deer crossing areas.

Since the installation, there have been no reported vehicle and deer accidents at these locations.

Further experiments with the reflectors will be undertaken along P.T.H. No. 59 adjacent to Bird's Hill Park.

Controlled Blasting for rock cut widening, adjacent to hydro line P.T.H. No. 10

Group Activities

1. Laboratories

Materials Testing Laboratories in Winnipeg and Brandon as well as the two mobile laboratories operated at near capacity levels. Excluding the mobile units which are assigned to major surfacing projects, the number of samples processed exceeded thirteen thousand. A total of thirty-two thousand seven hundred and twenty-eight tests were undertaken on soil, concrete, asphalt mixes, asphalt and aggregate materials as well as traffic paint and glass beads, dust palliatives and pavement marking tapes.

TABLE X5
Summary of Tests

Material		Winnipeg Lab	Brandon Lab
Concrete:	strength tests	1,813	--
	Mix designs	22	--
Aggregates:	All tests	4,535	3,035
Soils:	All tests	11,983	1,652
Bituminous:	Mix strength test	1,991	504
	Asphalt extraction	603	166
	Density	3,383	567
	Asphalt testing	492	--
	Other	1,481	501
		26,303	6,425

The Winnipeg laboratory monitors its testing procedures through the American Association of State Highway and Transportation Officials Materials Reference Sample Program. There is also a Canadian exchange of testing asphalt mixes and asphalt binders. Participation in these programs as well as a Winnipeg area project for comparing test results for concrete indicates that good control continues to be exercised in material testing.

2. Geotechnical Section

Exploration for granular material for road construction involved field investigation of 1259 hectares of land selected by airphoto interpretation supplemented by agricultural and geological map information, visual observations, and potential demand. Backhoes were employed to provide test pits to confirm conductivity meter and airphoto information. Of the total area explored, 548 hectares were found to contain an estimated 11 922 400 cubic metres of potentially useful gravel.

The inventory of existing gravel sources is carried out in Block File areas. Each Block File contains information on all known deposits for an average area of 16 townships. A total of 257 gravel sites were studied to record condition and quantities remaining and 510 samples were taken for quality testing. All exploration and inventory data is recorded in the Block Files providing readily accessible gravel resource information for use by Provincial and Municipal agencies and contractors.

The section was actively involved with an ad-hoc group including Mines Branch and the Wildlife Branch (Department of Natural Resources) to develop and promote understanding of the problems associated with disturbance of Wildlife Management Areas due to exploration and gravel extraction. The aim of the group is to provide a mechanism to originate recommendations to protect wildlife, take advantage of mineral, sand and gravel resources and provide for rehabilitation of mined areas to ensure full use of these resources, to enhance the habitat, and to assess the economic benefits.

3. Surfacing Section

This year saw the beginning of computerized calculating and reporting for asphalt mix designs and test results for gravel base and asphalt mixes. Initial phases of a system for concrete mix designs were also undertaken. The programs provide the means to consider large numbers of aggregate and other material combinations very quickly which should lead to more advantageous material use.

The monitoring of gravel base and asphalt surface treatment projects received more attention this year. The introduction of co-operative approach with the Districts and the contractors has resulted in significant improvement in the uniformity and quality of base course materials. A study was undertaken to determine whether binder clay or emulsified asphalt will be required on specific jobs to provide acceptable laying and compaction characteristics. Field trials to test the validity of the results will be made. It is expected that the relationship of clay content to other fines (sand and silt) will clarify the borderline cases where the base material is in the range of non-plastic to a plasticity index less than one. Many of these materials will compact and withstand traffic without the addition of binder which can translate into cost savings.

The Department studied problems of achieving satisfactory density of paving mixes and reducing segregation of mixes. An experiment with smaller maximum size aggregate (1/2" rather than 5/8") was undertaken to reduce segregation and another project was planned for next year.

On the concrete paving project on P.T.H. No. 7 for the first time in the Province a slip-form paver of sufficient size and capacity to place a 10" thick pavement in 24 foot widths was used. The initial evaluation indicates that a smoother ride was provided with this equipment compared to previously used side rail machines.

4. Soils and Research Section

General Quality Control and Engineering Assistance was provided for 34 of the 52 Grading Contracts. Nine nuclear density gauges were used to monitor embankment densities on 16 grading projects.

One hundred and three separate plant inspections were conducted for 40 of the 60 corrugated steel pipe purchase orders. Seventeen field inspections were made to provide instruction and quality control for the 8 projects using reinforced concrete pipe.

Geotechnical activities were conducted for the following projects:

a) An investigation and design to rectify a side slope failure on P.T.H. No. 11, 8 miles south of St. George.

b) A rock berm design was recommended to stabilize the Winnipeg River bridge approaches on P.R. No. 211.

c) Side slope designs and ground water investigations were conducted for the proposed re-alignment of P.R. No. 478, through Silver Creek Valley.

d) Frost heave areas were investigated at the interchange on P.T.H. Nos. 75 and 100, and on P.T.H. No. 23, west of P.T.H. No. 5. An insulated subgrade was designed for the P.T.H. No. 75 section.

e) A backhoe survey for sub-terrain loose rock on P.R. No. 584 was undertaken.

f) Slope inclinator monitoring continued at P.R. No. 305, P.R. No. 259 and P.R. No. 478, all sites adjacent to the Assiniboine River.

Research was continued to determine the effectiveness of calcium lignosulfonate as a dust palliative. Evaluations were also continued on selected provincial roads and were initiated in four towns.

Experimental plastic (Gulf Tensar) snow fence was acquired and installed in three locations. While the low snowfall did not provide conditions suitable for a complete evaluation, the fence did perform as well as standard snow fence and was found to be easier to handle due to its light weight. The trials will be repeated next winter.

The design and construction of a slope stabilization project on the Red River at St. Andrews Church was undertaken in conjunction with a consultant, funded by the Manitoba ARC Authority. The project was considered to be research because it used sand filled trenches to provide internal drainage in an attempt to stabilize the failed bank and used rock ribs to promote sedimentation.

Five sections with grading related topics were developed for inclusion in the new Project Supervisor Construction Guide. These topics were presented to the Department's project supervisors in a series of six-two day seminars.

5. General

A program for measuring pavement deflections was carried on in co-operation with District and Mechanical sections. The results are used by the Maintenance Engineer in establishing timely imposition of axle load limits to protect paved surfaces. The data is also used by Materials and Research to evaluate pavement performance and to design overlay pavements.

Pavement and asphalt surface treatment structural designs were again provided for contract, estimating and planning purposes. A special design study was undertaken to establish costs for upgrading roads so that higher load limits could be allowed during spring weight restrictions.

Contact was maintained on a variety of subjects with most provinces, several states, the City of Winnipeg and a number of Provincial agencies.

Table No. X6

1982-83 DRILLING SUMMARY FOR
SUBGRADE EVALUATION BY B-30 DRILL TRUCK

		Total No. and Types of Soil Surveys							
District	Total	Preliminary (survey and design)	Final (for pavement design)	Special (surface failure evaluations)	No. of km	No. of Hours	No. of Holes	No. of Samples	Total Depth Drilled (m)
1	17	16	--	1	121.7	265.5	727	1570	1142
2	6	3	--	3	5.6	48.5	87	131	133
3	6	4	1	1	49.7	7.9	230	462	347
4	3	1	--	2	1.7	25	26	88	70
5	8	6	2	--	67.8	15.3	330	693	527
6	10	4	3	3	63.5	152.5	341	701	528
7	3	2	1	--	11.7	48	89	178	150
8	13	5	8	--	83.9	218	414	841	625
9	5	1	3	1	38.2	61	150	308	225
10	1	--	--	1	1.5	63	65	150	98
11	5	3	2	--	79.0	121.5	251	592	390
12	3	--	--	3	0.9	19	19	72	69
Totals	80	45	20	15	525.2	1045.2	2729	5786	4304
1981-82 Totals	79	45	23	11	661.1	1298.0	3457	6811	5505

COMPUTER SERVICES

Computer Services exists to support the Department activities by evaluating, developing, implementing, maintaining, monitoring, and supplying automated information exchange and processing systems that are efficient and effective. Emphasis is placed on those tasks having a high economic and social return on investment. The Department often takes advantage of systems that have already been developed by other Transportation or related jurisdictions in order to save development costs and time.

Systems Accomplishments

Twenty-four requests for modifications and improvements to existing computer applications were acted on and completed.

The Accounting, Procurement, and Inventory Management System (A.P.I.M.S.) progressed a major step closer to full implementation. The system was installed at the Midland Street Mechanical Stores in Winnipeg. The system is currently operating in parallel production mode monitoring the inventory of fuel filters and spark plugs. The Department aims to have the entire inventory of the Midland Street Store on the new system by the end of the 1983 calendar year. The system will then be implemented in each of the fifteen other stores one at a time, as economic conditions permit. A major objective of A.P.I.M.S. is to reduce inventory levels by 20%, thereby also reducing inventory carrying costs.

A significant improvement to the Maintenance Management System allows for machine rental and related labor transactions to be automatically applied to the Department of Finance Computerized Voucher Accounting System. Formerly all such transactions were manually vouchered, typed, key-punched and key-verified.

Three of four categories of materials analysis are now handled through the Materials Laboratory Sample Analysis System. Computer programs to aid laboratory staff in the analysis of soils, aggregates, and concretes have been fully implemented. A recent study, comparing the before-and-after effort required for 11,000 soils samples, showed a 52% improvement in productivity with the computerized system.

An Accounts Receivable System has been implemented. The new system should help ensure the timely collection of money owed the Department for work done on behalf of third parties. It allows for automated record-keeping and reconciliation with the Finance Department records. It includes reports showing credits applied, payments from trust accounts and trust accounts balances, age analysis by account and revenue type, analysis of charges and payments, and analysis of amounts outstanding.

To assist with word processing and text handling, a shared-logic word processing system was acquired and installed for the Contracts, Planning and Design and Transportation Economics Sections. The system consists of screen-based workstations with adjacent printers. Some of the uses of the word processors include preparation of construction contracts and tenders, daily tonnage reports, expenditure reports, regulatory and legislative submissions, speeches and presentations, and preparation of the highway construction program. The system has the added advantage of accommodating additional workstations on the same processor as the need arises.

A feasibility study was completed identifying the information handling requirements of the Transportation Economics Division. As a result of the study, two micro-computers and a data communication line were installed. This allows access to data retrieval, spread-sheet modelling and analysis computer programs to aid in transportation economics research. A transportation planning software package was acquired from the Ontario Ministry of Transportation and Communications and adapted to run on the Manitoba Data Services computers.

Consultants were retained to conduct a feasibility study for a computer system to aid in the registration and licensing of motor carriers operating in Manitoba. The feasibility study has been completed and the recommendations are currently under consideration.

System Production and Operations

Twelve thousand separate batch jobs were processed for an increase of 9% over last year. The total number of records key-punched and key-verified increased to 1.5 million, 7% more than last year. The increase can be attributed to a wider use of the available computing facilities within the Department.

Thirty thousand on-line inquiry or update transactions were submitted against data bases of the Motor Vehicle Driver System and the Accounting, Procurement and Inventory Management System.

Approximately 3,000 hours of connect time originated from our remote user terminals having a direct access to Manitoba Data Services. This represents a 100% increase from last year. A major portion of the increase results from the implementation of further components of the Materials Laboratory Sample Analysis System and the addition of the new users and applications described in this report.

Three structural plate corrugated metal pipes (2700 mm diameter) through P.R. No. 338

General

Construction expenditures for structures on Provincial Trunk Highways and Provincial Roads exclusive of Highway Strengthening decreased this year by 13.9%; maintenance expenditures exclusive of ferry operations and contingencies were less than in the previous year by 6.3%. The grand total of $6,591,471.30 represents a 16% decrease in spending on structures during the year.

Expenditures on those Provincial Trunk Highways which have been identified with Highway Strengthening showed an increase of 9.4% with $1,154,492.27 being spent on structures built on P.T.H. No. 12 in the vicinity of its intersection with Trans-Canada Highway.

Design

The design was completed during the year for double structures for the traffic interchange at P.T.H. No. 12 and Trans-Canada Highway near Ste. Anne and construction was begun. These structures incorporate the longest and heaviest precast prestressed concrete box girders ever fabricated in Manitoba, being approximately 34 metres long and have a mass of approximately 55 tonnes.

Several reinforced concrete box culverts in the vicinity of this interchange were also designed and constructed.

A large span soil - steel culvert was constructed in Willow Creek on P.R. No. 468 in the vicinity of Brandon. The clear opening of the single culvert measured approximately 9.0 metres wide by 5.7 metres high.

Precast prestressed concrete bridges were designed and constructed over Buffalo Lake Drain on P.T.H. No. 30 and Shannon Creek on P.T.H. No. 23. Also a structure employing precast prestressed concrete I-girders was constructed over Devils Creek on the new Northbound Lanes of P.T.H. No. 59 near Libau.

Approximately 15 bridges employing the standard prestressed concrete channels were designed for Provincial Roads.

Construction

In addition to work carried over from the previous year, 72 new contracts which included 46 separate structures were awarded for construction during 1982-83.

The staff of the Construction Section carried out numerous bridge inspections in response to Requests for Bridge Assistance from District Engineers.

Maintenance

The Bridge maintenance crews worked on 127 separate projects which included construction of and major improvements to 9 bridges, general repairs to 26 structures, deck patching of 15 structures, 22 accident repairs, painting 21 structures and other projects varying from repositioning rip-rap blocks to installing sign posts.

An item of special interest is the installation of lateral rods on existing timber bridges to better restrain the outside stringers and thus reduce damage resulting from accidents.

Statement of Bridge Materials Stockpiles At Beausejour and Dauphin

Inventory - April 1st, 1982	$ 1,183,849.34
Purchases	379,993.18
Charges for Inspection and Handling	11,342.48
Sub-Total	1,575,185.00
Less Issues	585,606.27
Inventory as of March 31, 1983	$ 989,578.73

Summary of Issues

Type of Material Issued	Quantity	Approximate Unit Price	Total Value
Treated Timber	479.11 m^3	424.45	203,360.20
Treated Timber Piles	4 843 m	19.78	95,777.92
Steel "H" Piles	3 467 m	59.77	207,237.32
Bridge Iron	15 498.860 kg	1.84	28,500.56
Steel Pipe Guard Rail	404 pcs.	40.74	25,248.09
Steel Beam Guard Rail	141 pcs.	42.97	5,752.65
Guard Rail Terminals	71 pcs.	11.43	945.85
Paints, Primers, Thinners	1 630.83 L	4.16	7,049.69
Joint Preserver	404.54 L	2.95	1,717.67
Steel Cap Units	5 pcs.	1,189.41	5,947.04
Steel "H" Pile Points	77 pcs.	52.85	4,069.28
	Total		585,606.27

At the year end, treated timber and treated timber piling accounted for 71.6% of the total inventory. Issues of treated timber and treated timber piling accounted for 51% of the total issued from stockpile. Average unit price of treated timber increased by 4.6%, timber piling by 11%, and bridge iron by 24.3%. The significant Steel "H" piling cost rose 35% due to a total stock depletion which was replenished by purchases at increased and in some instances premium prices. The total value of materials issued increased by 28% as compared to the previous year. The value of the year end inventory decreased by 16%.

Subsurface Soil Explorations

	P.T.H.	P.R.	Main Market & School Roads	Total
Sites	28	34	4	66
Borings	121	123	10	254
Linear Metres	1,204	1,291	108	2,603

Others

	No. of Borings	Linear Metres
Indian Reserve Rd. (Fairford River)	8	93
Indian Reserve Rd. (Nelson River at Cross Lake)	6	125
P.R. No. 584 Road Cuts (Dist. 8 - Shell Valley)	16	79
P.R. No. 478 Road Cuts (Dist. 7 - Silver Creek Valley)	9	105
Totals	39	402

Field Sampling and Testing

Standard Penetration Tests	975
Vane Shear Tests	372
Shelby Tubes	328
Split Spoon Samples	1,005

Ferries

The Treesbank Ferry on Provincial Road No. 340 continued to be operated by the Rural Municipality of South Cypress under a grant system.

Table No. B1

BRIDGES AND TRANSPORTATION STRUCTURES
CONSTRUCTED, RECONSTRUCTED AND REPAIRED
INCLUDING OPERATION OF FERRIES
APPROPRIATIONS 15-4A, 15-6, 15-8D

Highway	Work Order No.	Location	Description of Work	Expenditure
15-4A Provincial Trunk Highways & Provincial Roads				
1	0818	C.N.R. Overpass R.M. of Portage la Prairie	Steel Expansion Dam Repairs	$ 18,987.07
	0820	Willow Creek R.M. of Elton and Cornwallis	Repair Bridge Deck Expansion Joints	13,057.18
2	0826	Oak Creek R.M. of South Cypress	Repair of Treated Timber Culvert	299.95
5	0813	Pembina River R.M. of Roblin	Treated Timber Bridge Repairs	3,393.89
	0819	Turtle River R.M. of Turtle River	Repair Bridge Deck Expansion Joints	9,327.21
	0822	Badger Creek R.M. of Roblin	Reinforced Concrete Bridge Repairs	3,014.59
	0823	Scott Drain R.M. of Ste. Rose	Reinforced Concrete Bridge Deck Modifications	2,380.52
6	0809	Strong Lake Creek E.D. of The Pas	Treated Timber Bridge Repairs	94.80

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
12	0814	Sprague River L.G.D. of Piney	Treated Timber Bridge Repairs	$ 877.45
21	0821	R.M. of Woodworth	Reinforced Concrete Culvert Repairs	3,071.23
34	0825	Cypress River R.M. of Lorne	Bridge Maintenance Erosion Control	6,954.83
41	0828	R.M. of Archie	Levelling Treated Timber Bridge	5,075.69
59	0831	Brokenhead River R.M. of St. Clements	Bridge Maintenance	469.00
	0812	Red River Floodway R.M. of Springfield	Bridge Maintenance	45,683.09
100 & 101	0800	Perimeter Bridges	Bridge Maintenance	24,441.72
204	0816	Red River R.M. of St. Clements	Bridge Repair - Lift Mechanism	7,541.22
260	0832	Big Grass River R.M. of Glenella	Bridge Repairs	7,109.96
277	0808	E.D. of Swan River	Repairs to Two Timber Bridges	411.73

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
305	0807	Assiniboine River R.M. of Portage la Prairie	Concrete Bridge Superstructure Repairs	$ 496.70
344	0827	Souris River R.M. of Oakland	Bridge Maintenance - Concrete Pier Repair	11,049.20
391	0811	Churchill River E.D. of Churchill	Steel Truss and Reinforced Concrete Bridge Repair	2,657.10
462	0833	Angle Drain R.M. of Glenella	Bridge Maintenance - Levelling Superstructure	7,525.11
516	0815	Washow Bay Drain R.M. of Bifrost	Treated Timber Bridge Repairs	389.89
587	0824	Swan River R.M. of Minitonas	Repair of Concrete Ford Crossing	6,266.77
Miscellaneous				
	0801	Various	Painting of Bridges	176,576.70
	0802	Various	Bridge Maintenance - Patching of Decks	75,554.93
	0803	City of Winnipeg	Bridge Yard Maintenance - Midland Street	7,946.60
	0804	R.M. of Dauphin	Maintenance of Bridge Yard and Warehouse - Dauphin	4,050.32
	0805	R.M. of West St. Paul	Maintenance of Explosive Magazine Yard	1,343.58

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
Miscellaneous				
	0806	R.M. of Brokenhead	Maintenance of Bridge Yard and Buildings - Beausejour	$ 8,390.34
	0830	Districts 1,2,3 & 6	Bridge Maintenance	16,534.52
	0810	Various	Purchase of Traffic Control Devices	5,904.78
	0817	Various	Construction of Pavement Pressure Relief Joints	61,664.70
			Maintenance	538,542.37
340	*0829	Assiniboine River R.M. of South Cypress	Operation and Maintenance of Ferry	25,000.00
			Ferries	25,000.00
	**0720	Various	Implement Storage Sheds	14,228.26
	**0652	Various	Sign Shed Construction	12,945.50
			Contingencies	27,173.76
15-6 Provincial Trunk Highway				
2	7351	Elm Creek R.M. of Grey	Construction of a Reinforced Concrete Box Culvert	83,147.21
11	7256	Whitemouth River R.M. of Whitemouth	Completion of Construction of a 276 ft. long Reinforced Concrete Bridge at Elma	18,664.39

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
23	7357	St. Malo Drain at R.M. of De Salaberry	Construction of a Reinforced Concrete Box Culvert	$ 86,021.85
	7363	Shannon Creek R.M. of Morris	Construction of a 51 m Long Reinforced Concrete Bridge	186,889.83
30	7364	Buffalo Lake Drain R.M. of Rhineland	Construction of an 82 m Long Reinforced Concrete Bridge	163,873.21
Miscellaneous				
	7215	Various	General Engineering	29,418.26
	7216	Various	Subsurface Soil Explorations	63,393.87
			Provincial Trunk Highway	631,408.62
15-6 Provincial Roads				
200	5893	Elizabeth Drain R.M. of De Salaberry	Construction of a Standard Precast Prestressed Concrete Girder Bridge	24,982.41
206	5960	G.W.W.D. Aqueduct R.M. of Springfield	Construction of a Bridge having a Precast Concrete Channel Superstructure and Cast in Place 0.45 m Diameter Concrete Piles	55,719.53

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
224	6004	Snake Creek E.D. of Interlake	Construction of a Standard Precast Prestressed Concrete Girder Bridge	$ 42,512.05
	6023	3 Creeks E.D. of Interlake	Construction of 3 Standard Precast Prestressed Concrete Girder Bridges	29,875.64
261	5654	Glenella Drain R.M. of Rosedale	Construction of 3 Single Span Salvaged Timber Access Bridges by Bridge Division Crews	132,005.89
265	5647	Eden Creek R.M. of Rosedale	Structural Plate Culvert Installation	73,179.77
267	5939	Drifting River R.M. of Gilbert Plains	Construction of a Standard Precast Prestressed Concrete Girder Bridge	48,540.65
274	5986	Stoney Creek R.M. of Ethelbert	Construction of a Single Span Treated Timber Bridge	68,103.79
277	5700	Rice Creek E.D. of Swan River	Completion of Construction of 2 Standard Precast Prestressed Concete Girder Bridges	114.60
278	5678	Broad Valley Drain L.G.D. of Fisher	Construction of a Standard Precast Concrete Girder Bridge	39,818.68

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
322	5990	Upper Grassmere Drain R.M. of Rockwood	Construction of a Standard Precast Prestressed Concrete Girder Bridge	$ 87,939.69
329 & 226	5676	Icelandic River R.M. of Bifrost	Completion of Two Reinforced Concrete Bridges 102 ft. and 138 ft. long	36,225.16
336	5894	Brown Drain R.M. of Morris	Construction of a Standard Precast Prestressed Concrete Girder Bridge	28,077.90
338	5646	Shannon Creek R.M. of Stanley	Structural Plate Culvert Installation	142,967.01
344	5956	Little Souris River Tributary R.M. of Cornwallis	Construction of a Standard Precast Prestressed Concrete Girder Bridge	47,113.73
354	6017	Oak River R.M. of Blanshard	Construction of a Standard Precast Prestressed Concrete Girder Bridge	112,916.61
366	5957	Mitchell Creek R.M. of Grandview	Construction of a Standard Precast Prestressed Concrete Girder Bridge	97,746.77
417	6015	Swan Lake Drain R.M. of Eriksdale	Construction of a Standard Precast Prestressed Concrete Girder Bridge	27,761.11

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
428	5648	Shannon Creek R.M. of Roland	Construction of a Standard Precast Prestressed Concrete Girder Bridge	$ 14,850.47
468	5871	Willow Creek R.M. of Elton	2 Structural Plate Culvert Installations	233,814.11
477	5742		Extension of S.P.C.M.P. Installation	14,685.87
486	5980	Roaring River R.M. of Swan River	Construction of a Standard Precast Prestressed Concrete Girder Bridge	147,680.03
487	5627	Hay Creek R.M. of Swan River	Construction of a Standard Precast Prestressed Concrete Girder Bridge	35,140.58
	5677	Swan River R.M. of Swan River	Completion of Construction of a Reinforced Concrete Bridge 227 ft. long	184,863.87
488	6022	Burres Creek R.M. of Minitonas	Material for Bridge Construction	1,636.77
501	5892	Cooks Creek R.M. of Tache	Construction of a Standard Precast Prestressed Concrete Girder Bridge	57,311.47
587	5992	Swan River R.M. of Minitonas	Construction of Ford Crossing Fishway	16,916.62

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
591	5860	Shell River R.M. of Hillsburg	Construction of a 42 m Bridge, Utilizing Salvaged Timber and 29 m Steel Truss	$176,317.56
602	5961	Seine River R.M. of Tache	Construction of a Standard Precast Prestressed Concrete Girder Bridge	130,233.44
605	5891	Scallion Creek R.M. of Wallace	Construction of a Reinforced Concrete Box Culvert in the Town of Virden	113,439.24
Miscellaneous				
	5613	Various	General Engineering	52,578.17
	5614	Various	Subsurface Soil Exploration	89,494.10
	5731	Various	Supply Precast Prestressed Concrete Girders	29,752.89
Main Market Road	5953	Fairford River L.G.D. of Grahamdale	Construction of a Reinforced Concrete Bridge 267 ft. long	598,312.29
			Provincial Roads	2,992,628.47
15-6 Highway Strengthening				
1	169	Vicinity of Dacotah R.M. of Cartier	Construction of a Reinforced Concrete Box Culvert	105,063.65
5	155	Scott Drain R.M. of Ste. Rose	Completion of Construction of a Reinforced Concrete Bridge, 130 ft. long	23,004.77

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
10	191	Creek R.M. of Morton	Construction of a Reinforced Concrete Box Culvert	$ 75,708.39
12	149	Over C.N.R. Tracks & P.R. 207 R.M. of Ste. Anne	Construction of Twin Reinforced Concrete Overpass Structures, 428 ft. long	243,538.75
	180	Near Ste. Anne R.M. of Ste. Anne	Construction of 2 Reinforced Concrete Box Culverts	145,602.29
	188	Over P.T.H. 1E. R.M. of Ste. Anne	Construction of two Reinforced Concrete Grade-Separation Bridges	763,921.48
59	186	Devil's Creek R.M. of St. Clements	Construction of a Reinforced Concrete Bridge 41 m long, in new Northbound lanes	226,385.78
75	190	East & West Service Roads R.M. of Ritchot	Supply of Material and Construction of 6 Treated Timber Bridges	195,617.45
Access Road	181	Bridge Over P.T.H. 59 R.M. of St. Clements	Bridge Modifications	31,308.84
	160	P.T.H. 12 & P.T.H. 1E. R.M. of Ste. Anne	Completion of Precast Concrete Pile Load Test	1,429.75
			Highway Strengthening	1,811,581.15

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
15-6 Northern Roads				
304	343	Sandy River E.D. of Rupertsland	Completion of the Widening and Repairs to a Treated Timber Bridge	$ 9,920.54
400	391	Mitishto River E.D. of Flin Flon	Construction of a Standard Precast Prestressed Concrete Girder Bridge	175,089.57
			Northern Roads	185,010.11
15-8D Manitoba Northlands				
Whiskey Jack - Cross Lake Road	204	Pipestone Lake - E. Nelson River	Design and Construction of Cable Ferry and Related Works	367,749.39
Community Road	310	Nelson River - E. Channel E.D. of Rupertsland	Completion of Construction of Structural Steel Truss Bridge	12,377.43
			Manitoba Northlands	380,126.82
				$6,591,471.30

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
Appropriation Summary				
15-4A		Maintenance	$ 538,542.37	
*		Ferries	25,000.00	
**		Contingencies	27,173.76	$ 590,716.13
15-6A		P.T.H	631,408.62	
		P.R.	2,992,628.47	3,624,037.09
		Highway Strengthening	1,811,581.15	1,811,581.15
		Northern Roads	185,010.11	185,010.11
15-8D		Manitoba Northlands	380,126.82	380,126.82
			GRAND TOTAL	$6,591,471.30

Concrete Bridge Piles with pile cap forming on P.T.H. No. 30

Construction of Overpasses, T.C.H. No. 1 at Relocated P.T.H. No. 12

MECHANCIAL

The Department operates major equipment repair facilities at the following locations:

Beausejour
Brandon
Dauphin
The Pas
Thompson
Winnipeg

Satellite Shops are located at Boissevain and Swan River.

The equipment fleet is operated on a charge back system to the users' appropriation by means of rental rates based upon historical costs including fuels, parts, shop labour, depreciation and overhead.

An equipment replacement program is financed by annual depreciation charged to operating costs and transferred to a fund for purchasing equipment. Tendering is by the Central Government Purchasing Bureau based upon specifications set by the Department.

The fleet is comprised of approximately 2,400 units. Major types of equipment and quantities are as follows:

Trucks, 1/2 and 3/4 tons	252
Trucks, 3 tons	205
Trucks, Miscellaneous	147
Motor Graders	167
Wheeled Tractors	281
Loaders	65
Rollers	202
Sand Spreaders	217

The following types of specialized equipment are also included in the fleet:

Asphalt Distributors	51
Tar Kettles	85
Asphalt Mixers	13
Sweepers	37
Centre Line Markers	6
Gravel Crushers	2
Cabooses	82
Diamond Drill	2
Swathers	26
Brush Cutters	5

Sign Shop

Sign requirements for the Department are produced in the Sign Shop located in Dauphin. Silk Screening and Legend Applications are used to mass produce signs to fill anticipated requirements or specific orders.

Total value of signs produced during the year amounted to $639,441.00 with year end inventory valued at $470,571.00.

Warehouse Stores

Warehouse operations are maintained at major locations to supply fuel, repair parts and other supplies for the Engineering Districts and other sections of the Department.

More than 7,000 line items are carried in the stores system with an inventory value of $2,326,548.

A computerized stores inventory system has been implemented on a partial basis in the Winnipeg Stores. Other stores will be gradually phased into the system. The system will provide inventory, stock data, order points, specifications, requisitions, billings and supplier payments.

Operator Training Program

Two full time equipment trainers are employed to conduct training sessions specializing in correct operator procedures and equipment maintenance.

Buildings

A building program of about $580,000.00 included the erection and completion of the 12,400 square foot Air Division Hangar and Annex project in Thompson, a 5 Bay Snowplow Storage Building at The Pas, a 40' x 120' Equipment Storage Building in St. Norbert, a 40' x 50' unheated Storage Building at Dauphin, a 40' x 90' unheated Storage Addition to the Wilkes Avenue Warehouse and a Standard 2 Bay Snowplow Storage Building at Elie.

Hoarding used for winter construction of the Shannon Creek Bridge on P.T.H. No. 23

Major Projects

Department staff were involved in the following studies and programs:

1. Brandon Area Provincial Highway Study

This study by a consultant, which identifies the needs of the provincial highway system in the Brandon area over twenty years, was substantially completed during the year. The consultant carried out an evaluation of the alternatives, and the Technical Committee directing the study made a selection which led to a number of proposals being carried forward to the preliminary design stage. In the case of the Trans-Canada Highway, where a northerly relocation is recommended, a public meeting with local landowners and business operators was held to explain the features of the relocation scheme. An implementation plan for the various highway routes and corridors, including the new eastern industrial access route, was proposed by the consultant and discussed with the local councils. Completion of the preliminary designs and right-of-way plans and adoption of the study report were still outstanding at the end of the year.

2. Red River Crossing, Vicinity of Selkirk

This study is to determine the location of a new bridge and connecting links over the Red River near Selkirk. The study is necessary because of concerns with the widths, loading capabilities and ages of the existing bridges at Selkirk and Lockport; also the east approach to the Selkirk bridge is subject to periodic flooding. Included is consideration of provincial route continuity in the vicinity of Selkirk.

3. P.T.H. No. 1W (Perimeter-Headingley) Study

This is an ongoing review of a Consultant's study to determine what improvements should be undertaken on the portion of Trans-Canada Highway between the West Perimeter Highway and the west side of the Community of Headingley. The existing section of four-lane highway is undivided and substandard. The road layout and right-of-way plans for immediate upgrading and for longer range requirements within the corridor are near completion and will be available shortly for the final departmental review.

Highway Programming

The inventory files for Trunk Highways and Provincial Roads were again updated. Current information on file includes recent construction and maintenance work, accident statistics, highway geometrics, and pavement condition ratings. About 30% of the inventory cards were changed over to metric last year.

The highway system was analysed for deficiencies and sections of highway requiring improvement were identified. Analysis of the Trunk Highways was carried out with the assistance of a computerized Needs Study program. The types of required improvements were determined and a tentative schedule with cost estimates was worked out. A rigorous procedure was then undertaken to set priorities and decide which projects were to be included in the next annual construction program. The remaining projects provided the framework of a preliminary advance Highway Construction Program.

The Planning Section prepared 30 geometric design standards and 28 bridge designs widths for projects that were approved for construction.

Traffic Studies

The annual traffic counting on Trunk Highways and Provincial Roads provided data from which the annual average daily traffic map was prepared.

A truck weight survey was carried out seasonally at 13 locations. Traffic classification was undertaken at 26 locations. Twenty-three special one-day counts were taken for signal, pedestrian corridor or intersection design studies.

Land Use and Access Control

During the year, the Department reviewed the following land use documents and development plan proposals:

- Rural Municipality of Ste. Rose Basic Planning Statement
- Crown Land Use Classification Plan, Nor-Mac Planning District
- Flin Flon Development Plan
- various sector plans for the Selkirk and Area Planning District
- Manitoba Heritage Marsh Program
- various amendments to the City of Portage la Prairie Development Plan
- Town of Swan River Development Plan
- Village of Ste. Anne Development Plan
- Village of Treherne Development Plan
- Brandon Area Planning District Development Plan
- Town of Emerson Developement Plan

- amendments to the City of Brandon Development Plan
- Flooding Mitigation Proposal - Fisher River/Peguis Indian Reserve
- Rural Municipality of La Broquerie Development Plan
- Rural Municipality of Archie Basic Planning Statement
- Brokenhead River Planning District Development Plan
- Local Government District of Consol Basic Planning Statement
- Crown Land Use Classification Plan for Cypress Planning District
- amendment to the Local Government District of Grand Rapids Basic Planning Statement
- Killarney Area Development Plan
- Rural Municipality of Mossey River Basic Planning Statement
- Morden-Stanley-Thompson-Winkler Development Plan
- Crown Land Use Classification Plan for Neepawa Area Development Plan
- City of Portage la Prairie Country Residential Concept Plan
- Rural Municipality of Portage la Prairie Development Plan
- Rural Municipality of Rhineland Development Plan
- Snow Lake Development Plan
- South Interlake Planning District Development Plan
- proposed amendment to the Perimeter South Action Area Plan

Department staff participated in:

(i) the Indian Land Claims Working Group
(ii) the Riding Mountain National Park Task Force
(iii) the East Side Lake Winnipeg Technical Advisory Committee
(iv) the Technical Advisory Committee for the Proposed Whiteshell Ventures Ltd. Star Lake Gold Mine
(v) the Provincial Land Use Policy Review Committee
(vi) the review of a proposed peat moss mine near the Northwest Angle Provincial Forest

During the regular review of subdivision applications, 1,271 proposals were studied and comments submitted to the Municipal Planning Branch or to the City of Winnipeg Department of Environmental Planning.

Approximately 740 Crown Land proposals were reviewed and comments submitted to the Department of Natural Resources. These proposals consisted of:

(i) sales, leases and general permits of Crown Land
(ii) exchanges of Crown Land to various Local Government Districts
(iii) reservations of Crown Land for various municipal, provincial and federal authorities

The Department provided evidence to 61 Traffic Board hearings where 442 applications for permission to erect structures and advertising signs, or to construct access approaches to Limited Access Highways were heard. A similar review was made of 468 permit applications involving other departmental roads. The Department attended eleven Public Utilities Board hearings called to deal with appeals of applicants who were previously denied access or building permits by the Traffic Board.

Roadway Design

The Design Section responsibilities are centered on the more complex roadway design projects such as multi-lane highways, traffic interchanges, channelized intersections, and urban arterial connections. Also, for design activities undertaken in the Districts, the Design Section provides highway design guidance and reviews completed design projects prior to approval. This relationship requires dialogue and coordination between the Design Section and District staff.

Other responsibilities of the Design Section include: (i) developing geometric design standards and criteria; (ii) undertaking field inspection trips for evaluating existing design features; (iii) coordinating project designs with other Departments and agencies affected by the Department's proposed highway facilities; and (iv) preparing or coordinating the submission of project descriptions to the Manitoba Environmental Assessment and Review Agency.

Some representative road design projects were:

1. Dauphin Bypass - updating bypass plans originally prepared in the 1960s, and preparing detailed road layout plans for additional right-of-way requirements and contract drawings.

2. P.R. 502, Urban Roadway Design through Lac du Bonnet - reviewing detailed design plans, and preparing and studying alternative designs at several key intersections.

3. P.T.H. 10, Boissevain to U.S. Boundary - advising the District on design criteria, and reviewing the final design for major improvements to the vertical alignment to be undertaken in conjunction with the highway upgrading.

4. P.T.H. 75, Duty Free Shop At Emerson - studying alternative road layouts and preparing a design for access to the proposed Duty Free Shop.

5. P.T.H. 30, New Structure over Buffalo Drain - evaluating the proposed bride cross-section and roadway profile with respect to sight distance of adjacent access points.

Drafting Services

The Drafting Section updated District, municipal, town and village maps to incorporate the latest information regarding new locations, numbering, and surface type. Ninety-six large scale municipal maps have now been redrawn using the scribe method, with metric versions produced for general use. As a result of the new provincial constituency boundaries coming into effect, 95 small scale Unorganized Territory maps were redrawn with approximately 30 still remaining to be redrawn in Churchill constituency.

Scribe sheets for the Official Highway Map were again revised to include a new cover design. Five hundred and fifty thousand copies of the map were produced for distribution by Travel Manitoba showing all changes in location, numbering and surface type on Trunk Highways and Provincial Roads.

Scribe sheets were prepared for a new control section map using five colors. Five hundred copies were printed for distribution to the R.C.M.P., local police, District Offices, and various sections of the Department.

The Drafting Section produced the annual maps showing grader drag beats, forman's beats, and seal coat locations for the Maintenance Management Division. The Annual Snowplow Distribution Sheet was provided for the Mechanical Division. Numerous other maps, charts, forms, graphs, mosaics and drawings were prepared for the Materials & Research Division as well as the Planning Section. This work included drawings in metric units for the Metrication Engineer and the conversion of existing forms to metric.

The Department prepared a new Traffic Count Map, Traffic Count Location Map, and 790 access sketch plans. Drawings for numerous railway and gas pipeline crossings were drafted for locations that affected provincial highways. Charts and maps were prepared for the review of proposed subdivisions throughout the Province, and maps were prepared for proposed rail line abandonment. Material for presenting the proposed construction program was prepared and revisions to location plans were done as required throughout the year.

A slide presentation with commentary was assembled for presentation to the Annual Conference of the Roads and Transportation Association of Canada. Slides were used showing major construction projects, new equipment and materials being applied, and new transportation developments taking place in Manitoba.

General

The Department reviewed 220 Manitoba Telephone System buried cable projects adjacent to provincial, municipal and Local Government District roads, and 12 major Manitoba Hydro power line proposals affecting provincial highways. The utility companies were advised where to locate their lines so as to avoid disruption from possible future highway construction operations.

The Department was represented on a number of technical advisory committees for the following projects:

(i) proposed Dorsey-U.S.A. 500 kv Transmission Line (MANDAN Project)

(ii) proposed Brandon 500 kv Transmission Station

(iii) MTS Cadastral Mapping Proposal

(iv) River Road Parkway Project (part of the ARC program)

The Department, in conjunction with representatives from the Federal Railway Transport Committee and the railway companies investigated railway crossings for which signal protection or other revisions had been requested. Approval was received to install signals at five unprotected highway-railway crossings on the provincial highway system.

Contact was maintained with technical organizations in the highway field, including the Roads and Transportation Association of Canada (RTAC), the Western Association of Canadian Highway Officials, the U.S. Transportation Research Board, and the Institute of Transportation Engineers. Senior engineers worked on national technical committees including the Geometric Design Committee and the Highway Statistics Project Committee of RTAC, as well as the Crossings-Signals Technical Working Committee of the Federal Canadian Transportation Commission.

Shoulder construction on Provincial Trunk Highway No. 5

Table No. P1

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS
BY SURFACE

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Mileage
1	21.5	267.7	-	-	-	289.2
1A	1.3	17.8	-	-	-	19.1
2	30.7	165.0	-	-	-	195.7
3	42.8	126.5	5.1	72.1	-	246.5
3A	-	-	7.0	-	-	7.0
5	2.6	159.7	18.9	64.2	-	245.4
5A	1.3	3.1	-	-	-	4.4
6	-	365.6	-	-	-	365.6
7	11.1	53.9	-	-	-	65.0
8	5.3	66.8	-	0.7	-	72.8
9	2.7	49.5	-	0.3	-	52.5
9A	1.8	3.0	-	-	-	4.8
10	0.2	435.9	1.2	14.0	-	451.3
10A	-	7.5	-	-	-	7.5
11	-	72.7	-	13.0	5.5	91.2
12	-	134.5	14.4	12.2	-	161.1
13	-	31.3	-	-	-	31.3
14	10.4	20.9	-	-	-	31.3
15	11.6	15.3	-	20.5	-	47.4
16	-	162.0	-	-	-	162.0
16A	-	5.6	-	-	-	5.6
17	-	1.0	13.8	52.0	-	66.8
18	-	15.5	-	18.9	-	34.4
19	-	-	-	-	3.1	3.1
20	-	24.7	21.8	59.1	-	105.6
20A	-	3.2	-	-	-	3.2
21	-	2.6	-	106.9	-	109.5
22	-	0.5	-	12.5	-	13.0
23	29.3	35.7	-	100.8	-	165.8
24	-	4.9	-	45.1	-	50.0
25	-	17.5	-	-	-	17.5
26	0.6	39.4	-	-	-	40.0
27	-	1.8	-	-	-	1.8
29	0.3	-	-	-	-	0.3
30	6.7	6.9	-	-	-	13.6
31	-	-	-	14.1	-	14.1
32	-	14.1	-	-	-	14.1
34	-	6.0	-	71.2	-	77.2
41	-	3.0	6.6	31.9	2.4	43.9
42	-	4.8	-	27.8	-	32.6
44	-	55.2	-	18.7	-	73.9

Table No. P1

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Mileage
45	-	-	-	65.9	-	65.9
49	-	-	-	1.0	-	1.0
50	-	1.1	40.3	35.3	-	76.7
52	-	19.1	2.7	-	-	21.8
57	-	-	-	1.0	-	1.0
59	13.5	79.6	-	24.9	-	118.0
67	-	10.6	7.2	10.2	-	28.0
68	-	1.0	-	49.4	-	50.4
75	0.9	56.1	-	-	-	57.0
83	-	154.8	0.7	51.5	-	207.0
89	-	-	6.2	-	-	6.2
100	17.2	7.6	-	-	-	24.8
101	23.9	1.1	-	-	-	25.0
	235.7	2,732.1	145.9	995.2	11.0	*4,119.9

*These mileages compiled as of January 1, 1983

Table No. P2

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS
BY SURFACE TYPE AND NUMBER OF LANES

Number of Lanes	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Mileage
2	144.1	2,435.6	144.8	995.0	11.0	3,730.5
4 Undivided	2.2	21.3	1.1	-	-	24.6
4 Divided	89.4	273.9	-	0.2	-	363.5
6 Undivided	-	0.6	-	-	-	0.6
6 Divided	-	0.7	-	-	-	0.7
8 Divided	-	-	-	-	-	0.0
	235.7	2,732.1	145.9	995.2	11.0	*4,119.9

*These mileages compiled as of January 1, 1983.

Table No. P3

SUMMARIZED MILEAGE
BY
SURFACE TYPE

	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total
P.T.H.	235.7	2,732.1	145.9	995.2	11.0	4,119.9
P.R.	15.7	748.3	287.1	1,419.2	5,139.1	7,609.4
Totals	251.4	3,480.4	433.0	2,414.4	5,150.1	*11,729.3

*These mileages compiled as of January 1, 1983.

Table No. P4

SUMMARIZED MILEAGE BY ENGINEERING DISTRICTS

District No.	Provincial Trunk Highways Mileage	Provincial Roads Mileage	Total Mileage
1	395.1	605.9	1,001.0
2	335.4	707.5	1,042.9
3	321.1	798.0	1,119.1
4	444.4	615.1	1,059.5
5	475.7	629.6	1,105.3
6	323.2	702.3	1,025.5
7	450.9	772.8	1,223.7
8	341.1	787.9	1,129.0
9	239.0	411.2	650.2
10	254.2	667.8	922.0
11	405.5	763.1	1,168.6
12	134.3	148.2	282.5
Totals	4,119.9	7,609.4	*11,729.3

*These mileages compiled as of January 1, 1983

LAND SURVEYS

During the year Land Survey field activities were similar to the average of the previous three years. Very little snowfall during the winter months allowed surveyors to be active in the field continuously throughout the year.

Two of the major Provincial Trunk Highway projects surveyed for expropriation purposes were a 15 km stretch of PTH No. 75 from PR No. 429 to south of Ste. Agathe and a 15 km portion of PTH No. 7 from Balmoral corner to Teulon. Although the Provincal Road category showed a decrease in the number of projects this year, this category continued to generate the bulk of survey work.

Generally there was a slight decrease in activity compared with the average of the three previous years in most categories according to the statistical summary. There was an increase in miscellaneous surveys, plans drafted and expropriation requests compared with the average of the same years.

Carryover of unregistered plans at Land Acquisition Branch and survey requests as of March 31, 1983 shows a slight increase compared with the average of the previous three years. The number of Orders of the Minister closing public roads decreased in comparison with the average of the same years.

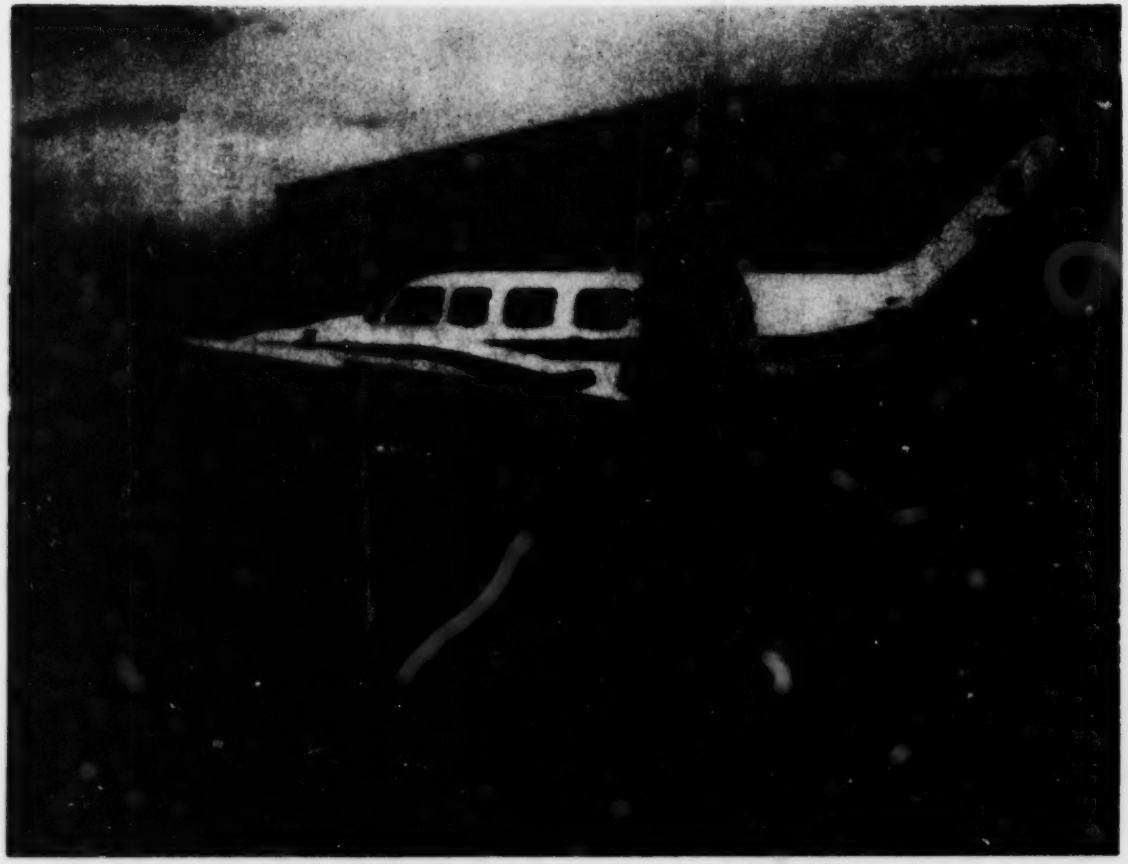
The execution of legal surveys as soon as agreements to purchase land have been obtained by Land Acquisition Branch is working well and provides the Department, utilities and users of adjacent lands with accurate land information indicating the extent of land acquired for highway purposes and demarcing that land with permanent survey monuments.

Survey instruments are gradually being updated with theodolites and electronic measuring devices being replaced at the rate of one per year on an eleven year cycle.

The Chief Land Surveyor served on the Canadian Council on Surveys and Mapping.

Statistical Summary and Comparision of Operations

	1982/83	1981/82	1980/81	1979/80
Kilometres of Section Line Retracement	1402	1542	1382	1505
Standard Posts placed at Section Corners	984	982	985	1108
Centre line kilometres of all Roads Surveyed	636	582	801	547
Provincial Trunk Highway Surveys	13	13	18	12
Provincial Road Surveys	40	57	53	58
Other Road Surveys	9	15	20	17
Miscellaneous Surveys	16	14	9	14
Retracement Surveys	20	43	31	40
Plans Drafted	132	144	123	116
Plans Registered in Land Titles Office	121	128	123	133
Orders of the Minister Closing Public Roads	27	31	39	28
Request for Survey	131	130	144	143
Expropriation Requests	16	18	13	-
Carryover of Unregistered Plans at Land Acquisition Branch	65	65	47	53
Carryover of Survey Requests	33	30	38	20



Newly acquired Piper Chieftain with cargo door
which allows stretcher patients to be moved into and out of aircraft with ease

Airport Services

The Northern Airport Development Program supports such needs as forest protection, medical retrievals, resource development and the tourist industry. The Department operated, maintained and administered a combination of 28 airports and aerodromes which accommodated up to and including Class II air services at the following locations:

Sixteen Licensed Airports

Berens River	Little Grand Rapids
Bloodvein	Norway House
Brochet	Oxford House
Cross Lake	Red Sucker Lake
God's Lake Narrows	St. Theresa Point
Ilford Island Lake	Shamattawa
Island Lake	South Indian Lake
Lac du Bonnet	York Landing

Four Licensable Airports

Lac Brochet	Pukatawagan
Pikwitonei	Thicket Portage

Eight Emergency Aerodromes

Anama Bay	Matheson Island
Bissett (Wallace River)	Moose Lake
Cormorant	Poplar River
Easterville	Wasagamack

Miscellaneous work undertaken includes the following:

- A screener was airlifted to Shamattawa to provide maintenance gravel for that airport.

- Equipment shelters were constructed at Ilford and St. Theresa Point.

- Security fencing was erected at Island Lake, Ilford, Pikwitonei, Thicket Portage and St. Theresa Point.

- A firehall was constructed at York Landing. This building is used to store the firetruck, emergency gear and supplies.

- VHF radios and panels were obtained for Berens River, Brochet, Lac Brochet, St. Theresa Point and Shamattawa.

- A water and sewer system was installed at Island Lake.

- Weather observing and reporting at Norway House under contract with Atmospheric Environment Services continued for national network distribution.

- Conditions at the airports influenced the issuing of 142 Notams, 656 advisories and 88 Notam extensions.

- At 18 communitites, the Department made available to local government on an accounts collectable basis, the services of airport equipment for the maintenance of local roads and other municipal services.

The Department operated and maintained the following airport facilities and support equipment:

Facilities	Number
terminal buildings	20
equipment shops	19
warehouses	1
radio equipment	101
non-directional beacons	12
rotating beacons	2
runways with lights	12
runways with light activators	11
motor graders	24
loaders	19
snow blowers	1
tractors and mowers	6
fire and other trucks	42
foam chemical apparatus	4
dry chemical apparatus	13

Airport Activity Summary

		Percentage Increase
Total Aircraft Movements	49,539	3.9
Total Passenger Movements	112,763	3.7
Total Freight Tonnage	8,949	0.5

Training Program

Forty-four fire, crash and rescue workshops were conducted on site at airports. Two hundred and forty people, including staff members, R.C.M.P., medical personnel, community leaders and community members, participated in training schools and drills.

Airport anti-vandalism and security workshops were held at two northern communities - Poplar River and Shamattawa. At each site, workshops involved local airport staff and about 200 school children and their teachers. The program was also offered to the community of Shamattawa with the cooperation of the Chief and Council.

First aid training was delivered to staff at four northern airports. Eighteen staff members received St. John's Ambulance certificates.

Staff at two sites received instruction in weather observation and reporting, Notams and the use of altimeters.

A management workshop was conducted for four regional airport managers and the works superintendent.

The Airport Safety and Security Manual, an operational guidebook and a regional airport managers handbook were published.

Two equipment operator workshops in cooperation with the Mechanical Division were presented at Norway House and Berens River. Staff from six airports attended.

Resource Roads Appropriation 15-4D-2

Sixty-seven miles of resource roads and two high level bridges were maintained for road access into the communities of Cross Lake, Norway House, Split Lake, York Landing and Matheson Island.

When ferry operations ceased due to freezing conditions, an ice bridge was constructed across Sea River to allow for Norway House winter traffic.

Norway House - Community Roads Appropriation 15-4D-2

Under this program the Department provided for year-round maintenance of 30 miles of community roads and one high level bridge, giving access to the main market road and to school bus transportation in a consolidated school system.

Seasonally, two floating foot bridges and two ice bridges were maintained to facilitate river crossing for school children to the bus pickup point.

Marine Services

The Department owns the following seven ferries which are operated to provide access to remote communities:

The C.F. Ingemar Carlson was, at the request of the Matheson Community Council, taken over and operated by Marine Services. It operated access from the terminals of P.R. No. 234 to Matheson Island.

The C.F. Thomas McIvor, was leased to the Cross Lake Indian Band with an operational grant of $22,000.00. It provides river crossing access from the Community on the west side of the lake to the commercial section on the east side.

The C.F. James Apetagon, is operated by the Department and provides access across the east branch of the Nelson River for traffic on the Jenpeg-Norway House road.

The C.F. Alfred Settee Sr., is operated by the Department providing access across the Nelson River from Pipestone Lake Crossing on the Cross Lake Road.

The M.V. Charlie Sinclair, was operated by the Department and provided access from Pipestone Lake Crossing on the Cross Lake Road, providing service across the Nelson River. In August 1982 this ferry was replaced by the new C.F. Alfred Settee Sr. The M.V. Charlie Sinclair is now in storage at Cross Lake.

The M.V. Joe Keeper, is operated by the Department and provides access from the Thompson to Split Lake Road to the communities of Split Lake and York Landing.

The M.V. Edgar Wood, was leased to Channel Area Community Services Inc. with an operational grant of $36,000.00. It provides access from P.R. No. 234 to Princess Harbour and Bloodvein.

Summary of Department operated Ferry traffic:

Ferry	Passengers	Vehicles
M.V. Joe Keeper	826	89
M.V. Charlie Sinclair	8,870	4,701
C.F. Alfred Settee Sr.	5,680	4,015
C.F. James Apetagon	7,828	6,413
C.F. Ingemar Carlson	8	2,332

Table No. AR1

AIR AND RADIO SERVICES
AIRPORT OPERATIONS AND MAINTENANCE
MARINE SERVICES

Work Order No.	Location	Description of Work	Expenditure
15-4D-2			
	Other Expenditures		$ 985,082.78
MWT 001	Jenpeg - Norway House	Resource Roads Maintenance	40,599.92
002	Matheson Island Ferry Access Road	Maintenance	1,290.39
003	Island Lake	Dock Improvements	6,615.12
15-8C-1A Minor	Improvements to Airports		
RA 01	Swan River Airport	Grading, Granular Fill & Drainage	176,482.83
02	Lac du Bonnet Airstrip	Preliminary Engineering	12,029.88
AP 039	Bissett Airstrip	Brushing Side & End Zones	12,029.26
048	Various Airports	Purchase of Communication Equipment	20,203.59
CTN 156	Grace Lake Airport	Runway Right-of-Way & Improvements (Refer to 15-8D-1C)	26,755.91
	Thompson Airport	Construction of New Hangar	32,338.15

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-8C-1B Northern Development Projects			
AP 041	Island Lake Airport	Installation of Security Fence	$ 2,335.10
042	Ilford Airport	Installation of Security Fence	8,904.33
043	Pikwitonei Airport	Installation of Security Fence	4,543.50
044	Thicket Portage Airport	Installation of Security Fence	12,303.32
045	St. Theresa Airport	Installation of Security Fence	13,694.35
046	York Landing Airport	Construction of Fire Hall	20,367.34
047	Island Lake Airport	Construct Water and Sewage System	54,236.39
049	St. Theresa Point	Construction of Equipment Storage Shelter	72,002.92
050	Ilford	Construction of Equipment Storage Shelter	64,961.39
15-8D-1A Improvements to Airports (Recoverable from Northern Affairs)			
CTN 155	St. Theresa Airport	Gravelling & Seeding	9,630.24
15-8D-1B Improvements to Airports (Recoverable from Northern Affairs)			
CTN 154	Norway House Airport	Rock Excavation & Granular Base Course	821,267.81

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-8D-1C Improvements to Airports			
CTN 156	Grace Lake Airport	Runway Right-of-Way and Improvements (Refer to 15-8C-1A)	$ 35,242.04
15-8D-2 Resource Roads (Recoverable from Northern Affairs)			
CTN 202	Jenpeg - Cross Lake Road	Grading & Gravelling	94,750.35
204	Whiskey Jack - Cross Lake Road Pipestone Lake - East Nelson River	Design for Ferry Construction, Landing & Docking Facilities	367,749.39
205	Cross Lake Road	Grading & Gravelling	274,128.63
15-8D-3 Community Roads (Recoverable from Northern Affairs)			
CTN 310	Nelson River	Bridge Construction	12,377.43
311	Norway House	Grading & Gravelling	185,160.29
			*$3,367,082.65

***Appropriation Summary**

15-4D-2	1,033,588.21	15-8D-1A	9,630.24	15-8D-2	736,628.37
15-8C-1A	279,839.62	15-8D-1B	821,267.81	15-8D-3	197,537.72
15-8C-1B	253,348.64	15-8D-1C	35,242.04		

Total $3,367,082.65

AIR SERVICES

The major functions of Air Services are to transport personnel, to suppress forest fires by water bombing, to supply air support to field parties and to transport freight as requested by the Departments and Agencies of the Government. Aircraft and services are also provided for the Northern Patient Transportation Program.

Aircraft are stationed at three main bases in Winnipeg, Lac du Bonnet and Thompson. Summer bases are operated at The Pas and Norway House.

To overhaul and maintain the aircraft fleet, Air Services operates a maintenance depot at Lac du Bonnet for major overhaul and repair work on single engine aircraft.

Inspection, engine change and routine maintenance on multi-engine aircraft is carried out at Winnipeg and Thompson. All bases are capable of routine service and maintenance.

A new hangar was constructed at the Thompson airport, with staff and aircraft beginning operations in November 1982.

Flights during the year totalled 859,350 miles, a decrease of 141,485 miles from the previous year. Major forest fire activity was concentrated north of the 53rd parallel, resulting in the CL-215 water bombers operating from bases at The Pas and Thompson for extended periods.

Flights were well distributed between the Departments. Forest Protection and other resource related programs accounted for 23% of the Air Services flight miles, with a total of 200,900 miles. The Northern Patient Transportation Program used 22% of the flight miles for a total of 190,825. The Department of Highways and Transportation was the third largest user with 14% of flight miles and a total of 116,715.

Flight Co-ordination

Flight co-ordination staff based in Winnipeg and Thompson arrange air charters for Government Departments, using either Government or commercial aircraft. Flights are organized to provide the most economical method of travel.

Aircraft

The fleet of aircraft operated by Air Services consists of the following:

1 - DHC-2 Beaver
5 - DHC-2 MK III Turbo Beaver
2 - DHC-3 Otter
1 - Cessna 337
1 - Piper Aztec
1 - Piper Chieftain
1 - Mitsubishi MU-2-J (lease purchase)
3 - Canadair CL-215
1 - Cessna Citation

The lease agreement was terminated on the Thompson based Piper Aztec, and as its replacement, a Pipe Chieftain was purchased to accommodate the larger passenger groups travelling in the north, as well as to more efficiently serve the Northern Patient Transportation Program.

The third CL-215 water bomber was purchased prior to the 1982 fire season, and was used in Alberta on two occasions helping to suppress their forest fires.

At March 31, 1983, the Province of Manitoba Air Services had flown a total of 26,187,385 miles since its inception in 1932.

Table No. AR2

SUMMARY OF AIR SERVICES FLIGHT MILEAGE

Department or Agency	1981-1982	1982-1983
Agriculture	16,135	3,980
Attorney General	80,030	72,105
Community Services & Corrections	64,865	54,585
Consumer, Corporate Affairs	18,225	445
Community Economic Development Fund	9,210	6,015
Co-Operative Development		
Civil Service		
Crown Investments		4,730
Cultural Affairs & Historical Resources	3,340	6,500
Economic Development & Tourism	6,015	6,200
Education	27,520	27,525
Energy & Mines	17,050	3,745
Environment & Workplace, Safety & Health		410
Executive Council	7,405	10,180
Finance	2,160	1,320
Fitness, Recreation & Sport	12,950	6,865
Government Services	4,330	3,425
Health	2,075	15,225
Highways & Transportation	119,665	116,715
Housing	625	3,705
Labour & Employment Services	25,870	5,065
Legislation		
Manitoba Hydro	29,950	17,075
Manitoba Telephone System	24,030	20,120
Man-For	790	2,255
Municipal Affairs	2,735	3,800
Natural Resources	266,850	200,900
Northern Affairs	64,465	62,810
Northern Patient Transportation Program	193,460	190,825
Urban Affairs		950
Miscellaneous	735	11,345
TOTAL PROVINCIAL DEPARTMENT & AGENCIES	1,000,485	858,820
TOTAL FEDERAL DEPARTMENTS	350	530
TOTAL MILES FLOWN	1,000,835	859,350

Table No. AR3

MILEAGES FLOWN BY BASES

Agency or Department	Bases					
	Lac Du Bonnet	The Pas	Thompson	Winnipeg	Norway House	Totals
Agriculture			60	3,920		3,980
Attorney General	6,610		52,895	12,600		72,105
Community Services & Corrections			46,120	8,465		54,585
Consumer, Corporate Affairs				445		445
Community Economic Development Fund			2,995	3,020		6,015
Co-Operative Development						
Civil Service						
Crown Investments			325	4,405		4,730
Cultural Affairs & Historical Resources			2,790	3,710		6,500
Economic Development & Tourism			1,335	4,865		6,200
Education			20,525	7,000		27,525
Energy & Mines			3,095	650		3,745
Environment & Workplace, Safety & Health			410			410
Executive Council			1,540	8,640		10,180
Finance				1,320		1,320
Fitness, Recreation & Sport			6,200	665		6,865
Government Services			1,165	2,260		3,425
Health			12,395	2,830		15,225
Highways & Transportation	7,160	665	50,930	57,960		116,715
Housing	820		1,095	1,790		3,705

Table No. AR3

MILEAGES FLOWN BY BASES

Agency or Department	Bases					
	Lac Du Bonnet	The Pas	Thompson	Winnipeg	Norway House	Totals
Labour & Employment Services	975		2,890	1,200		5,065
Legislation						
Manitoba Hydro			16,465	610		17,075
Manitoba Telephone System	10,030		9,405	685		20,120
Man-For		1,160	445	650		2,255
Municipal Affairs		360	110	3,330		3,800
Natural Resources	35,505	22,355	42,060	82,915	18,065	200,900
Northern Affairs	3,340	800	40,325	18,345		62,810
Northern Patient Transportation Program			25,640	165,185		190,825
Urban Affairs			950			950
Miscellaneous			490	10,855		11,345
Federal		80	300	150		530
TOTALS	64,440	25,420	342,955	408,470	18,065	859,350

RADIO SERVICES

Treasury Board designated the Department of Highways and Transportation to co-ordinate radio communications requirements for the Manitoba Government, to publish policies under which it is to operate, and to be responsible for management.

Treasury Board also requested the Department of Highways and Transportation to direct major goverment radio users to jointly prepare a radio communication implementation plan for Cabinet approval and to act in an advisory capacity to the Department of Highways and Transportation, the designated co-ordinating Department.

Radio Services continued to purchase, licence, install and maintain radio equipment for the Manitoba Government. It also entered into testing of low cost telephone interface devices and achieved considerable success. A temporary working system was established in the Norquay Building. This system allowed a touch tone equipped walkie talkie to transmit dial tones by radio to a station in the building and to automatically dial into the Manitoba Telephone System. This established two way radio communication into the Manitoba Telephone System from a hand carried radio in downtown Winnipeg.

Access by radio into the telephone system was also established by new radio units installed for the Emergency Measures Organization, Community Services and Corrections, the Department of Natural Resources, and the Department of Highways and Transportation.

Considerable improvement to existing water bomber V.H.F. (F.M.) radios was achieved by the purchase and installation of a guard receiver module for each radio. This allows a water bomber to maintain radio communication with a central directing authority while establishing communication with a local fire area.

The low band V.H.F. (F.M.) system was improved and expanded especially in the Birtle - Neepawa, The Pas - Flin Flon areas. Experimentation and testing of high band V.H.F. - mobile telephone and local channels was planned for Thompson.

A radio controlled switching system was established at two Highways' weigh stations on P.T.H. No. 2 at P.T.H. No. 3 and at P.T.H. No. 10.

Maintenance trips to airstrips to service ground to air radio communications and radio beacon equipment were normal. The radio beacon equipment has transmitted radio signals almost continuously for approximately ten years without an increased failure rate. The plans to replace wide band with narrow band V.H.F. equipment were continued and complete changeover is expected by the 1985 target date.

Plans were completed for the introduction of the lightning strike detection system and a technician was sent on a short training course.

TRANSPORTATION ECONOMICS

Transportation Economics is concerned with transportation policy, research, planning and coordination. The Division deals with federal and interprovincial liaison and provides advice and support to other government departments and agencies on transportation matters.

The Division actively participates in interdepartmental committees such as those on urban transportation, energy conservation, transportation of the handicapped, statutory grain rates and physical distribution. The professional staff have participated in activities of the Canadian Transportation Research Forum, Transportation Research Board, the Roads and Transportation Association of Canada, and the Western Transportation Advisory Council.

The Division is organized in four branches - Freight Policy, Passenger Policy, Transport Programs, and Research and Planning.

Freight and Passenger Policy

The Freight and Passenger Policy Branches provide information and respond to requests on freight and passenger matters involving rail, air, highway and marine transportation.

Grain transportation matters handled include:

- assisting communities served by the CNR, Winnipegosis, Inwood and Erwood subdivisions in preparing for abandonment hearings.
- pursuing commitments from the federal government to provide rail cars for grain movement with emphasis on safer and more efficient equipment.
- extending the branch line rehabilitation program which involves 600 miles of track.
- supplying analytical and technical information on statutory grain rates.

Responses to federal programs include:

- Conducting a review of the Churchill and Hudson Bay route and promoting ideas to develop the port and community.
- Analysing ports legislation and developing terms of reference for regional advisory councils for the new ports system.

- Participating in studies to identify potential transport capacity shortfalls and to evaluate possible solutions with respect to the Ports of Vancouver and Thunder Bay.

Regulatory and legislative related activities included:

- Assisting Churchill, Gillam, Lynn Lake, Ilford, Cranberry Portage, Thicket Portage and Wabowden to prepare for Canadian Transport Commission public hearings covering rail station agency closures.

- Assisting and intervening in support of West Canola Crushers attempts to obtain and maintain freight rate parity for canola products with those rates applying to the raw seed.

- Preparing submission to the Great Lakes Seaway Task Force concerning potential capacity constraints and future requirements of the waterway system.

- Presenting a submission at public hearings before the Canadian Transport Commission on the explosion and fire caused by runaway locomotives in the CP Rail yards in Winnipeg.

The Passenger Policy Branch prepared position papers and responses to the federal government on:

- Bill S-31, a bill to limit provincial participation in enterprises which are involved in interprovincial or international transportation.

- changes to Canada's domestic air policy affecting all levels of air carriers providing unit toll air services.

- amendments to air carrier regulations.

Interventions presenting Manitoba's position were made to the Canadian Transport Commission on:

- support a Pacific Western Airline application for a permanent licence for jet service from Brandon to Calgary and Toronto.

- Oppose a Pacific Western Airline application to suspend jet service to Lynn Lake except during summer.

- Support the need for helicopters to assist in the supression of forest fires.

- Oppose an application by North West Territorial Air to operate aircraft between Winnipeg and Rankin Inlet by-passing Churchill.

- Support the towns of Roblin and McCreary in their oppositon to VIA's proposal not to build passenger shelters.

The Department represented the Province before the Canadian Transport Commission hearings on:

- Applications from eight carriers for authority to provide air services previously offered by Lambair.

- VIA Rail's challenge of the authority of the Canadian Transport Commission in ordering it to increase the frequency of the Camper Special train between Winnipeg and Fariane, Ontario.

Since last year's Railway Transport Committee hearing on northern Manitoba rail passenger services, the Passenger Policy Branch has been seeking a Rail Bus Demonstration Project for northern Manitoba. The Department is also participating with the Government of Ontario and Transport Canada in a joint study of rail passenger services between Winnipeg and Capreol.

A study on an air ambulance system for newborn high risk infants was undertaken for the Health Sciences Centre.

Research and Planning

The Department was involved in the following research and planning projects:

- analysing of the Gilson report and preparing background briefing papers when the federal government announced intentions to eliminate statutory grain rates.

- revising an earlier study to estimate the additional Provincial costs as a result of actual and proposed rail line abandonment.

- Initiating and managing a study of benefits of an electrified rail line from Winnipeg to Thunder Bay, Ontario. A Seminar on the results of the study was held in June, 1983.

- The Branch acquired System 33 computer software for transportation planning and began developing the highway network inputs required.

- Responding to requests for background information on transportation matters such as urban transportation grants in other provinces, railroad investment plans for Western Canada, and grain transportation by truck.

- Reviewing intraprovincial trucking and bus rates in support of the Freight Policy Branch.

- Participation on the Manitoba Data Users Planning Committee.

- Participation with representatives of the other provinces in the review of the Canadian Transport Commission Rail Costing Order R-6313.

Transportation Programs

The Programs Branch continued programs which are of direct assistance in improving transportation in Manitoba. The program activities included:

- providing technical information and assistance to existing and prospective industries, individuals and other government departments and agencies.

- Responding to thirteen requests for industry location transportation cost data. Processing 65 miscellaneous enquiries for technical information. Manning a Department booth and display for the Canadian Truck Show at the Winnipeg Convention Centre and for National Transportation Week.

- Preparing an audiovisual presentation on transportation in Manitoba for use by the Department of Economic Development and Tourism.

- Assisting Manitoba firms in resolving problems of Physical Distribution (P.D.). This assistance encompasses a broad range of P.D. functions including inventory control, transportation, warehousing, order processing, customer service, protective packaging, local delivery and materials handling.

- Providing grants to agencies which make a significant contribution to the improvement of transportation services, facilities or research in Manitoba. Grants were made to the Port Churchill Development Board, Hudson Bay Route Association and the University of Manitoba Centre for Transportation Studies.

- Supporting the transportation of the Rural Handicapped program, which is designed to provide grants and assistance to municipalities that have introduced transportation services for the handicapped in their areas. In its first full year of operation support was provided to handicapped transportation services in The Pas, Steinbach, Neepawa and Selkirk and a grant was made to the Village of Arborg for installation of an hydraulic wheelchair lift.

- Agreement was reached with the federal government for funding to assist in the purchase of up to five vehicles to be used for handicapped transportation services in rural Manitoba.

- The Transportation Division has taken the lead in the work of the Interdepartmental Committee on Transportation of the Handicapped and provides the Chairman of the Interdepartmental Committee on Transportation for the Transportation Disadvantaged.

- Conducting two energy demonstration projects under Conservation and Renewable Energy Agreement (CREDA). Reports on these projects will be given national distribution.

- Studing contingency planning with respect to the possible effect on Manitoba of the introduction of fuel allocation or rationing by the Energy Supplies Allocation Board.

- Producing and publishing two brochures: - "Ridesharing - A Concept Whose Time Has Come" and "An Employer's Guide to Vanpooling". Another brochure on energy efficient driving was prepared and is now being printed by the federal government for national distribution.

- Preparing a regular column devoted to energy conservation in trucking for the Manitoba Highway News.

- Providing construction and operation grants to 26 airports under the Southern Manitoba and the Northern Manitoba Airport Assistance Programs. These programs have continued to be active catalysts in the expansion and upgrading of rural airport facilities.

Large truck constructs a Gravel Stockpile on Provincial Road No. 276

MOTOR VEHICLE BRANCH

The Motor Vehicle Branch is responsible for the administration of driver licencing, motor vehicle registration and driver and vehicle related safety programs.

The basic objective of the Driver Licencing Program is to establish and maintain procedures for issuing of driver licences at Motor Vehicle Branch Offices, by mobile driver examiners and by authorized driver licencing agents in accordance with the provisions of the Highway Traffic Act, regulations and government policy.

Total active drivers in Manitoba in 1982 numbered 579,813. Total suspended drivers numbered 21,087.

The Vehicle Registration Program establishes and maintains systems and procedures designed to register and licence motor vehicles, trailers and snowmobiles in accordance with the Highway Traffic Act and related acts and regulations. In 1982, a program introducing personalized licence plates for Class A1 passenger vehicles was initiated.

Vehicle registrations in 1982 totalled 746,142, commercial vehicle registrations 22,039 and snowmobile registrations 20,064. By the end of 1982, a total of 3,233 personalized plates had been approved and manufactured, and 2,203 applications were pending.

The primary responsibility of the Driver Testing Section is to examine applicants to determine whether they have the necessary knowledge, skill, physical and mental abilities to safely operate a motor vehicle.

In 1982, 40,358 road tests in the Original Testing Program and an additional 5,688 road tests as part of the Branch's Driver Improvement Program, were administered. Written and oral knowledge tests administered in both programs numbered 98,973.

The Driver Education Section administers a program of High School Driver Education and controls the practices and policies of commercial driving schools and instructors. In addition to the regular courses offered to high school students, the Driver Education Program provides annual courses for students attending the Manitoba School for the Deaf and instruction for students whose physical handicaps require the installation of special vehicle controls. The Motor Vehicle Branch expanded its highway safety program in the driver education field by enacting legislation which allows students fifteen and one-half years of age to obtain an instruction permit. This program was extended in the fall of 1982 to include four rural and ten urban schools.

A total of 227 instructors conducted courses in 96 schools. A total of 4,446 high school students completed the course. A total of 490 students, 371 urban and 119 rural, participated in the fifteen and one-half year old Driver Education Program.

The Manitoba Bicycle Operator's Training Program and the Manitoba Bicycle Safety Program is the responsibility of the Snowmobile Safety Section. The section administers the Snowmobile Act and those sections of the Highway Traffic Act pertaining to the use of bicycles and mopeds, and consequently reviews traffic accident reports falling within these categories.

The Bicycle Safety Training Program, based on the Safety Council's Safe Bicycling Course, is designed to teach children ages six to thirteen how to properly ride a bicycle and at the same time to provide them with the knowledge to recognize and avoid hazardous traffic conditions.

During the winter of 1982-1983, 5,837 individuals completed the Snowmobile Training Course. Decreases of 13.2% in total snowmobile accidents and ..0% of injured victims were recorded.

The Bicycle Safety Program instructed 30,709 individuals in proper and safe cycling principles.

The maintenance of driving records is an operation which involves not only the compilation of driving infractions, but also the monitoring of subsequent records. This function is performed by the Driver Records and Suspensions Section.

The primary function of the Driver Improvement and Control Program is to provide rehabilitation or impose suspension in order to remove hazardous drivers from the roads. The program is progressive and individuals are provided with many opportunities for rehabilitation.

In 1982, 6,295 hearings were conducted. Of this total, 3,472 drivers were suspended, and 2,707 placed on probation.

A total of 24,353 licence suspensions were imposed.

The primary objective of the Medical Section is to establish a system for the review of a driver's fitness to safely operate a motor vehicle.

A total of 23,150 requests for medical examination were issued as a result of which, 721 medical suspensions resulted.

The Motor Vehicle Inspection Program carries out the mechanical safety inspection of vehicles in accordance with standards prescribed, holds surveillance over the safety standards of components and accessories sold for use on registered vehicles, and supports other divisions of the Government respecting vehicle standards.

A total of 45,609 vehicles were initially inspected. Of these 16,376 passed inspection of the first attempt, 28,364 failed, and 869 were of such hazardous condition that immediate suspension of registration resulted.

Compulsory inspection of passenger cars, light trucks and heavy duty vehicles totalled 42,188.

The Dealer Section is responsible for the development and administration of a program regarding licencing and control of automobile dealers, salesmen, and automobile wreckers in accordance with the Highway Traffic Act, Regulations and departmental policy.

During the year 3,113 plate dispositions and 1,414 permit dispositions were issued.

The Administrative Services Section, provides a series of administrative functions within the Motor Vehicle Branch, and is responsible for the operation of an Information Centre. The centre maintains an information retrieval system which provides information on vehicle registrations and driver's licences.

The Financial Services Section collects, accounts for and distributes Government revenues from licencing and insuring both drivers and vehicles. It disburses and accounts for expenditures incurred by the Motor Vehicle Branch, maintains financial records for the purpose of budgetary planning, and provides revenue and expenditure analysis reports to management on a regular basis. The Section provides a financial support function to 11 programs within the Motor Vehicle Branch, seven Branch Offices, and in excess of 225 Driver Licence Agents.

The Systems and Data Processing Section organizes the collection, storage, transmission and processing of data. This objective is achieved through the effective use of operating procedures and computer technology.

Motor vehicle accidents numbered 35,057 in 1982, with a total of 132 fatal accidents resulting in the loss of 151 lives. Snowmobile accidents numbered 59, and involved two fatal accidents, while a total of 292 bicycle accidents involved one fatal accident.

This report covers the calendar year 1982.

THE HIGHWAY TRAFFIC BOARD

The Traffic Board is responsible for administration of The Highways Protection Act, certain sections of The Highway Traffic Act and a portion of The Snowmobile Act. Duties of the Board include:

The Highways Protection Act

1. Designating Highways as Limited Access Highways.
2. Establishing Controlled Areas adjacent to Limited Access Highways.
3. Issuing Permits for Structures in Controlled Areas and Access onto Limited Access Highways.

The Highway Traffic Act

1. Establishing Speed Limits.
2. Approving Traffic Control Devices.
3. Approving Pedistrian Corridors.
4. Approving Municipal By-Laws respecting Speed Limits, Highway Reclassifications, Weight Limits and Bridge Restrictions.

The Snowmobile Act

1. Establishing Locations where Snowmobiles may be Operated on or Across Roadways.

Members of the Traffic Board are appointed by Order-in-Council and currently total five. The staff consists of four, a Board Secretary, an Administrative Officer and two Secretaries.

In addition to regular hearings the board met with representatives of other jurisdictions on matters of mutual concern and conducted some on-site inspections. The boards hearings are normally scheduled for Winnipeg, Dauphin and Brandon and occasionally are held in other locations as required.

The Highways Protection Act

Control of access to highways and control of structures adjacent to highways is a primary function of the board. These controls are required to protect the public investment in the highway system from unsafe vehicle conflicts and from the encroachment of buildings that makes future expansion costly. Patrolling the highway system for unapproved access and building installations is done by the Department district forces.

The Board is considering a submission for improved legislation and regulation to deal with off-premises advertising signs which required permits for locations adjacent to highways. Many such signs have been erected without necessary applications and permits.

The Highway Traffic Act

Speed limit and other traffic control decisions are intended to promote safety through uniform standards. In order to achieve this the board bases decisions on technical data available from traffic authorities and or past decisions.

The Snowmobile Act

The board is responsible to approve municipal by-laws affecting the statutory provisions for snowmobiles crossing municipal roadways and the operating of snowmobiles on municipal roadways. To date the board has not approved any such by-laws and neither has it effected any regulations for similar decisions on provincial highways over which the board is the traffic authority for snowmobiles. At present all authorized snowmobile crossings are those created by the statute itself through the provision for the Minister to authorize them during emergency situations and for the Registrar of Motor Vehicles to authorize special events permits.

Traffic Board Activities Comparative Summary 1978-1982

Applications	1978	1979	1980	1981	1982
Structures & Access	655	492	412	463	442
Speed Limits	142	70	48	54	57
Pedestrian Corridors	7	5	8	9	5
Others	9	15	4	5	4
	813	582	472	531	508
Hearings Held					
Winnipeg	40	35	31	34	37
Other Locations	34	24	24	22	24
	74	59	55	56	61
Permits Issued					
Structures & Access	470	409	366	355	319
Regulations Filed					
Speed Limits and Others	21	20	12	9	10

	Authority & Vehicle Lic.	Faulty Equip. & Safety	Driver Licencing	Overweight & Dimensions
Prosecutions	243	129	106	2,302
Written Warnings	44	7	10	345
Withdrawals	11	5	-	78
Total	298	141	116	2,725

THE MOTOR TRANSPORT BOARD

The Motor Transport Board is composed of eight members appointed by the Lieutenant-Governor-In-Council.

The Board exercises both an intra-provincial and extra-provincial jurisdiction in the regulation of the transportation of passengers and freight by motor carriers. It is statutorily created and given its authority by the Highway Traffic Act.

Its extra-provincial jurisdiction arises out of The Motor Vehicle Transport Act (Canada), which authorizes the Board to regulate motor transport extra-provincially in the manner to its intra-provincial jurisdiction.

In executing its role, the Board controls entry into the for-hire truck and bus industry and sets transportation rates and charges intra-provincially. It also establishes minimum insurance and fidelity requirements and generally supervises carriers' operations for the protection of the public.

Every province in Canada has a Board or Commission which regulates its motor transport industry in a similar fashion, particularly with respect to extra-provincial operations. Because of the national nature of transportation service, it has become necessary for there to be continuing liaison and co-operation between the provinces and the Federal Government and this has been achieved through an organization of transportaiton officials known as the Canadian Conference of Motor Transport Administrators.

The Conference is divided into four committees:

(1) Standing Committee on Drivers and Vehicles
(2) Standing Committee on Motor Carriers
(3) Standing Committee on Traffic Safety Programs
(4) Standing Committee on Canadian Agreement on Vehicle Registration

The Board is active in the Standing Committee on Motor Carriers.

The Board has been pursuing a policy of full and free licencing and registration reciprocity with American jurisdictions. The Board, as of July 1982, signed full and free reciprocity agreements with the States of Alabama, Georgia, North Carolina and Oklahoma, for a total of twenty-seven full and free state reciprocity agreements. Currently the Board is negotiating with four other United States jurisdictions for full and free reciprocity privileges.

The Board participated in two joint hearings with other jurisdictions to hear concurrently the evidence of applications made by extra-provincial public service vehicle carriers. One Joint Hearing was held in Winnipeg with the Province of Ontario and the other was held in Red Deer, Alberta with the Province of Alberta and the Province of Saskatchewan.

During the year the Board held 173 public hearings to hear applications for public service vehicle authority. Applicants are required to prove, through their witnesses, that the existing transportation service is insufficient or that the public convenience will be further promoted by their application.

During the year the Board held 50 General Board Meetings to deal with matters consisting of:

(a) considering applications for public service vehicle authority that are uncontested.

(b) preparing public service vehicle applications for gezetting purposes.

(c) extending and issuing temporary authorities.

(d) accepting filed rates, amendments to existing applications and withdrawals.

(e) reviewing opposition to applications.

(f) hearing compliance reports, revenue summaries and assignments.

(g) reviewing general administration actions.

At its hearings the Board dealt with 468 applications, which were disposed of as follows:

Approved	296
Denied	11
Withdrawn	29
Cancelled	22
Postponed	38
Dismissed	3
Joint Hearings	2
Pending	37
Show Cause	30
	468

Included in the 468 applications were 211 federal carrier applications seeking extra-provincial operating authority. The Board disposed of the applications as follows:

Approved	112
Denied	8
Withdrawn	23
Cancelled	16
Postponed	20
Dismissed	3
Pending	21
Show Cause	8
	211

The Board approved 55 designated commodity applications during the year. These are included in the total of 468 applications dealt with by the Board, and consisted of:

Twenty-six designated commodity applications related to agricultural commodities in their final movement internationally.

Twenty-nine household goods and personal effects applications.

Inspection Report

The following is a summary of the activities of the two inspectors reporting directly to the Motor Transport Board.

The Board staff investigated and issued 263 Temporary Public Service Vehicle authorities. The temporary authorities were issued when it was established that the authorized carriers could not provide the required service or did not object to the issuance of the temporary authority.

The Board staff also issued 383 Letter Permits, temporarily allowing the use of motor vehicles not otherwise authorized.

The Board's inspectors investigated and concluded 239 filed complaints that were submitted to the Board by:

(a) shippers
(b) consignees
(c) carriers
(d) public in general.

License Fee Revenue Comparision (dollars)

The Highway Traffic Act	1981/82	1982/83	Increase or Decrease
P.S.V. Freight Trucks Trailers	3,139,406.00	3,283,083.00	+143,677.00
P.S.V. Passenger Buses	62,341.00	61,164.00	- 1,177.00
Commercial Trucks Trailers	2,815,670.00	2,800,881.00	- 14,789.00
Inter-Municipal Liveries	31,028.00	29,368.00	- 1,660.00
Miscellaneous	733,097.00	585,485.00	-147,612.00
	6,781,542.00	6,759,981.00	+ 21,561.00

Comparative Statement of Vehicles Registered

Vehicles Base-Plated in Manitoba	1981/82	1982/83
Public Service Vehicle	2,520	2,914
Public Service Vehicle Quarterly	304	316
Public Service Vehicle Trailers	9	13
Public Service Vehicle Driveaways	87	35
Commercial Trucks	14,544	16,059
Commercial Trucks Quarterly	694	778
Commercial Trailers	687	695
Commercial Driveaways	25	22
Passenger Buses	148	137
Inter-Municipal Liveries	662	633
	19,680	21,602

Vehicles Registered under Canadian Agreement on Vehicle Registration

Manitoba Based	2,056
Out-of-Province Based	6,047
	8,103

This report is for the Licence Year March 1, 1982 to February 28, 1983.

LICENCE SUSPENSION APPEAL BOARD

The Licence Suspension Appeal Board was first established by Legislation in 1959 and commenced operations in December 1959. Presently it is provided for under Section 252 with authority, jurisdiction and procedures detailed under Section 253 of the Highway Traffic Act.

Primarily an appeal board for suspensions of driver's licences, the Board also hears appeals against suspension, cancellation and denials of Driving School Permits, Driving School Instructor Permits, Automobile Dealers Permits and Salesman's Permits. Suspension of driver's licences for medical reasons may be appealed through the Medical Review Committee rather than the Appeal Board. The Appeal Board also has jurisdiction over Court Suspensions under the Highway Traffic Act and Juvenile Court Suspensions when authorized by that Court.

The Board usually imposes restrictions on licences where a remission is granted and only authorize a full remission of suspension under very special circumstances. A further right of appeal against decisions of the Appeal Board is to County Court where the decision is final.

The Board consists of a Chairman (Winnipeg), Vice-Chairman (Leaf Rapids), and Board Members each from Brandon, LaBroquerie, Fort Alexander, Lockport, Petersfield and three members from Winnipeg. The member from Brandon normally covers hearings in Dauphin, the members from LaBroquerie and Fort Alexander cover hearings at Steinbach and Beausejour. The member (Vice-Chairman) from Leaf Rapids attends hearings at Brandon, Dauphin, The Pas and Thompson when scheduled.

The majority of applications are processed at the Winnipeg hearings but hearings are also held in Steinbach (every 4 weeks), Beausejour (every 4 weeks), Brandon and Dauphin (every 3 weeks), and The Pas and Thompson as needed (approximately every 6 weeks). The hearings outside of Winnipeg are attended by at least two Board Members and one staff member.

All hearings are half day hearings handling approximately twelve applications per hearing.

During the year there was a decrease (from 3,991 to 3,786) in the total number of applications recieved or 5% less than the previous year.

This report covers the calendar year 1982.

Description of Suspensions

(1) Section 238 Highway Traffic Act - Statutory suspension imposed automatically for conviction of a Criminal Code of Canada offence.

(2) Section 246 Highway Traffic Act - Suspension imposed by the Registrar of Motor Vehicles on review of driving records.

(3) Court Suspension (Highway Traffic Act) - Suspension imposed by Court for Highway Traffic Act convictions.

(4) Probationary Licence - 23-13 Highway Traffic Act - Suspension imposed by the Registrar of Motor Vehicles arbitrarily on probationary drivers involved in accidents or convictions.

(5) Refusal to Issue by Registrar - Refusal to issue Salesman's Permit, Driving School Permit, Driving Instructor's Permit by Registrar.

SUMMARY OF APPLICATIONS

The Licence Suspension Appeal Board

Total Applications Received - 3,786
Total Hearings Held - All Locations - 326
Disposition of applications by type of suspension:

(1)	Section 238 Highway Traffic Act		
	Restricted remission	1,626	
	Full remission	244	
	Application denied	525	
	Sub Total		2,395
(2)	Section 246 Highway Traffic Act		
	Restricted remission	591	
	Full remisssion	0	
	Application denied	296	
	Sub Total		887
(3)	Section 238 & 246 Highway Traffic Act		
	Restricted remission	1	
	Full remission	0	
	Application denied	2	
	Sub Total		3
(4)	Court Suspension Highway Traffic Act		
	Restricted remission	9	
	Full remission	0	
	Application denied	1	
	Sub Total		10
(5)	Probationary Licence Suspension		
	Restricted remission	50	
	Full remission	0	
	Application denied	21	
	Sub Total		71
(6)	Out of Province Suspensions		
	Restricted remission	6	
	Full remission	0	
	Application denied	3	
	Sub Total		9

Miscellaneous

(7)	Refusal to issue by Registrar	0	
	Applications pending	114	
	Applications cancelled	240	
	Suspension expired	57	
	Sub Total		411
	TOTAL		3,786

Table No. MV1

APPEAL BOARD STATISTICS
Hearings Held & By Location

Month	Applications Received	Hearing Locations							Total Hearings
		Winnipeg	Brandon	Dauphin	Steinbach	Beausejour	Thompson	The Pas	
January	274	16	2	2	3	-	-	-	23
February	260	16	3	2	1	1	1	1	25
March	348	17	4	2	1	1	-	-	25
April	347	18	4	2	1	1	1	2	29
May	368	14	4	2	1	1	-	-	22
June	357	20	6	2	4	1	1	2	36
July	324	17	4	2	1	1	-	-	25
August	310	22	7	3	2	1	-	-	35
September	296	22	4	3	1	1	1	2	34
October	305	13	3	2	2	1	1	2	24
November	331	16	3	2	2	2	-	-	25
December	266	15	2	1	1	1	1	2	23
TOTALS	3,786	206	46	25	20	12	6	11	326
Percent Change Over 1981	-5%	-7%	Nil	Nil	-33%	+	-25%	+10%	-3%

Table No. MV2

Application Volume and Hearings Comparison 1979 to 1982 Inclusive

Month	Applications Received				Total Hearings Held			
	1979	1980	1981	1982	1979	1980	1981	1982
January	353	277	316	274	30	31	28	23
February	310	326	302	260	34	26	23	25
March	431	288	401	348	38	31	28	25
April	343	324	361	347	27	27	35	29
May	435	318	356	368	43	30	32	22
June	371	314	396	357	36	27	29	36
July	337	309	293	324	31	27	28	25
August	347	287	269	310	34	26	24	35
September	347	348	312	296	24	26	31	34
October	383	341	350	305	33	33	27	24
November	339	305	349	331	34	25	23	25
December	255	263	286	266	24	31	29	23
TOTALS	4,251	3,700	3,991	3,786	388	340	337	326

Table No. MV3

Applications Processed and Hearing Locations

Location	No. of Hearings Held	No. of Applications Processed
Winnipeg	206	2,196
Brandon	46	510
Dauphin	25	223
Steinbach	20	172
Beausejour	12	117
Thompson	6	57
The Pas	11	100
TOTALS	326	3,375
Applications Pending or Cancelled		411

THE TAXICAB BOARD

The Taxicab Board, created by the Taxicab Act, (Chapter T10, Statutes of Manitoba), is composed of:

(a) a member of the Council of the City of Winnipeg, nominated by the Council;

(b) the Chief Constable of the Police Force of the City of Winnipeg;

(c) three other persons appointed by the Lieutenant-Governor-in-Council.

The Taxicab Board periodically holds Public Hearings in the Board Room located at the Board's office at 202 - 301 Weston Street, Winnipeg, Manitoba. There were twelve Hearings held during the year.

The number of Taxicabs authorized to operate in the City of Winnipeg remained at four hundred, the same as in the previous year.

The Taxicab Board authorized licensing of seventeen additional vehicles to be used for weddings, funerals, V.I.P. and sightseeing tours, including limousine service from the Winnipeg International Airport to downtown hotels.

The practice of the Taxicab Board has been to allow presently licensed Taxicab Operators to put into service temporary extra taxicabs during the Christmas and New Year period from December 1, 1982 to February 28, 1983. There were twenty-nine additional taxicabs operating during that period.

Three hundred and ninety-five of the four hundred taxicabs are equipped with two-way radios.

The Taxicab Board heard twelve reports from its inspectors. The Taxicab inspectors made one thousand, three hundred and twenty-six individual inspections of taxicab meters, a decrease of four hundred and eighty-seven from the previous year. The reduction is due to no meter rate increase taking effect during the period.

Thirty-seven applications for Taxicab Driver Licenses were rejected because the applicants either lacked sufficient knowledge of the City of Winnipeg, had a poor driving record, had insufficient driving ability or otherwise failed to meet the Board's requirements for a Taxicab Driver.

One thousand, nine hundred and seventy Taxicab Driver Licenses were issued from March 1, 1982 to February 28, 1983.

Summary of Revenues:

Taxi and U-Drive License Plates	$ 103,396.00	
Change of Vehicle	1,792.00	$ 105,188.00
Taxicab, U-Drive Business License and Taxicab Driver License	2,161.00	2,161.00
		$ 107,349.00

Summary of Licenses Issued:	81/82	82/83
To operate a Taxicab Business	169	213
To operate a Taxicab	400	400
To operate a Taxicab Temporarily under permit	49	29
Drive Yourself Business License	83	82

NOTE: This Report is for the License Year March 1, 1982 to February 28, 1983.